

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**LITTLE YORK WATER PLANT
3900 BLOCK OF SARDIS LANE
HOUSTON, HARRIS COUNTY, TEXAS**

Prepared For:

**CITY OF HOUSTON
900 BAGBY, 2ND FLOOR
HOUSTON, TEXAS 77002**

Prepared By:

**ENVIRONMENTAL CONSULTING SERVICES, INC.
HOUSTON, TEXAS**

ECS PROJECT NO. 60501081

**LINA A. JAZI
PROJECT DIRECTOR**



Signature

**SAM BARBAR
SENIOR PROJECT MANAGER**



Signature

MAY 2006



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ENVIRONMENTAL CONSULTING SERVICES, INC.

May 25, 2006

Mr. Gabriel Mussio
City of Houston
900 Bagby, 2nd Floor
Houston, Texas 77002

RE: Phase I Environmental Site Assessment
Little York Water Plant
3900 Block of Sardis Lane
Houston, Harris County, Texas
ECS Project No.: 60501081

Dear Mr. Mussio:

Environmental Consulting Services, Inc. (ECS) is pleased to present the results of the Phase I Environmental Site Assessment conducted at the above referenced property.

This report includes the results of our findings from visual reconnaissance, historical land use review, and records review. An assessment of the information was made to arrive at the conclusions stated and the recommendations presented.

We appreciate the opportunity to be of service to you and look forward to working on future assignments. Should you have any question concerning this report or if we can assist you in any other matter, please feel free to contact us.

Sincerely,
Environmental Consulting Services, Inc.

A handwritten signature in blue ink, appearing to read 'Lina A. Jazi', is written over the company name.

Lina A. Jazi
President

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1. EXECUTIVE SUMMARY

Environmental Consulting Services, Inc. (ECS) was retained by City of Houston to perform a Phase I Environmental Site Assessment (ESA) on a tract of land located at the 3900 block of Sardis Lane, in Houston, Harris County, Texas. This assessment was performed, in part, to satisfy one of the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) innocent landowner defense; that is, the practices that constitute “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice,” as defined in 42 USC 9601(35)(B) and was performed in conformance with the scope and limitations of American Society of Testing and Materials (ASTM) Practice E 1527-05.

The subject property is consists of 0.6743 acre tract being Unrestricted Reserve “E” Inwood Pines, Section Two, an addition in Harris County, as recorded in Volume 197, Page 85, Map Records of Harris County, Texas (HCAD Account #1059310000013). It has been owned by the City of Houston since January 2, 1988. It is currently vacant and undeveloped. Surface coverage consists of native grass and few trees. A chain link fence runs along the boundaries. A pipe is observed on the northeast side of the subject property. A pad-mounted transformer is located along the southern boundary of the subject property.

A site inspection was performed by Mr. Danny Srubar on May 6, 2006. The subject property was inspected for obvious or potential sources of environmental contamination. No obvious indications of underground or above ground storage tanks (USTs/ASTs), hydraulic lifts, pits, ponds, lagoons, groundwater monitoring wells, surficial staining, or stressed vegetation were observed on the subject property during the on-site inspection.

From a review of the aerial photographs, it appears the subject property was used as a water plant from the 1970s through the 1990s. An aboveground storage tank appears in the 1979, 1986 and 1996 aerial photographs. During the site inspection, there was no indication of spills or soil stains. Given the past use of the property as a water plant, the identified tanks appear to be water tank.

ECS reviewed historical aerial photographs, city directories, and regulatory database listings to determine if the subject property or nearby properties have indications of *recognized environmental conditions*. Based on our review, *recognized environmental conditions* associated with the subject property have not been identified.

Although not considered *recognized environmental conditions*, the following conditions warrant mention:

- A pipe was observed on the northeast side of the subject property. Given the past use of the property as a water plant, the pipe is most probably associated with the water tanks previously located on-site. However, ECS recommends further investigation into the current and past use of the pipe and if it is or was connected to an underground storage tank or another system that may adversely affect the subject property.

These conclusions have been based on a limited inspection and research of public documents pertaining to the subject property. Conclusions drawn by others from the results of this assessment should recognize the limitations of the methods used. This report was produced for the exclusive use of the City of Houston and his authorized representatives. Further dissemination of this report without prior written authorization from ECS and the City of Houston is strictly prohibited.

While the Executive Summary is an integral part of this report, it is presented only for the reader's convenience and should not be used in lieu of reading the entire report. The reader is expected to read the entire text of this report for interpretive discussions relevant to the services provided herein.

2. INTRODUCTION

2.1. Objective

Environmental Consulting Services, Inc. (ECS) was retained by the City of Houston to conduct a Phase I Environmental Site Assessment (ESA) on a tract of land located at the 3900 block of Sardis Lane, in Houston, Harris County, Texas.

This assessment was performed in part to satisfy one of the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) innocent landowner defense; that is, the practices that constitute “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice,” as defined in 42 USC 9601(35)(B).

The objective of the Phase I ESA was to identify, to the extent feasible, the *recognized environmental conditions* in connection with the subject property.

The term *recognized environmental conditions* is defined as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any such substances into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

2.2. Scope of Services

The following components comprise the fundamental scope under which the Phase I ESA was performed.

- Section 3 - An overview of the subject property, including location, general description, and property use and occupancy;
- Section 4 - A summary of site historical information, including a review of title records, aerial photographs, sanborn maps and city directories;

- Section 5 - A description of the environmental setting of the property, including topography, flood potential, and hydrogeology;
- Section 6 - Results of the site inspection, including a visual inspection for indications of soil, groundwater, and surface water contamination and other hazards, and an evaluation of the environmental condition of the areas surrounding the subject property;
- Section 7 - A review of federal, state and local regulatory records to determine if the subject property or adjoining property have faced or are currently facing any regulatory actions, fines, or violations; and,
- Section 8 - Conclusions and recommendations.

Site photographs are presented in *Appendix A*. Ownership Records, Aerial Photographs, Sanborn Maps and city directories are included in *Appendix B*. Regulatory Records utilized in the preparation of this report are included in *Appendix C*. Records of Communication and are included in *Appendix D*.

2.3. Qualifications & Limitations

This work product was performed consistent with standards of care and diligence normally practiced by recognized environmental consulting and engineering firms in performing services of a similar nature. This warranty is in lieu of all other warranties either expressed or implied. This company is not responsible for the independent conclusions, opinions or recommendations made by others.

ECS relied on information obtained from regulatory officials and other private individuals. ECS assumes that the information provided is true and accurate. Undetected environmental risks may be present and not documented by regulatory agency files. Therefore, ECS does not warrant, guarantee, or certify the accuracy or completeness of such regulatory information. ECS disclaims any and all liability for errors, omissions, or inaccuracies in such information and data, and for any and all inaccurate conclusions, inadvertent or otherwise, which may be based on such inaccurate information and data obtained from third parties.

From the research performed, one cannot determine whether any hazardous or toxic materials were used, stored, disposed of, or handled on the subject site during the period in review. Beyond such interpretation of the background information obtained through the course of this assessment, ECS personnel cannot make any further deductions.

The conclusions presented are based on regulatory information and a walk-through of the subject site. No subsurface investigation and/or testing were performed. Therefore, ECS cannot rule out the potential presence of hazardous materials, underground storage tanks, and any contamination on-site.

The conclusions and recommendations describe only the conditions present at the time of our assessment, in areas that were observed. Changes may result with the passage of time with respect to site characteristics and those of surrounding properties. Opinions and recommendations presented herein apply to site conditions existing at the time of our investigation and those reasonably foreseeable; they cannot necessarily apply to site changes of which this office is not aware and has not had the opportunity to evaluate. ECS and its representatives do not warrant against future changes in operations or conditions, nor do warrant conditions present of a type or at a location not addressed in this study.

Conclusions regarding the potential environmental impact of off-site facilities to the subject site are based upon available information from environmental databases and the assumed groundwater flow direction (based upon topographic slope). Actual groundwater conditions, including direction of flow, can only be determined through the installation of monitoring wells on the subject site.

This environmental site assessment cannot wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with the subject property. Performance of the ESA (ASTM Practice) is intended to reduce, but not eliminate, uncertainty regarding the potential for such conditions, and the ASTM Practice recognizes reasonable limits of time and cost.

This report does not constitute an appraisal of value or legal opinion, and ECS makes no representations or warranties of the fitness of the property for any specific use or value. ECS assumes no responsibility for the Client's, or a third party's, misinterpretation or improper use of this report.

ECS shall not be liable for any special, consequential, or exemplary damages resulting in whole or in part, from the Client's use of this report. Liability on the part of ECS to any impacted third party is limited to the monetary value paid for this report.

2.4. Special Terms and Conditions

This Phase I ESA was authorized by and prepared for the City of Houston for use in evaluating potential environmental risks and liabilities associated with the subject property.

2.5. User Reliance

This report was produced for the exclusive use of the City of Houston and their authorized representatives. Further dissemination of this report without prior written authorization from ECS and the City of Houston is strictly prohibited.

3. SITE DESCRIPTION

The following sections address the description and physical information pertinent to the subject site and its vicinity.

3.1. Location and Legal Description

The subject property is located at the 3900 block of Sardis Lane, in Houston, Harris County, Texas. It consists of 0.6743 acre tract being Unrestricted Reserve "E" Inwood Pines, Section Two, an addition in Harris County, as recorded in Volume 197, Page 85, Map Records of Harris County, Texas (HCAD Account #1059310000013).

3.2. Site Vicinity General Characteristics

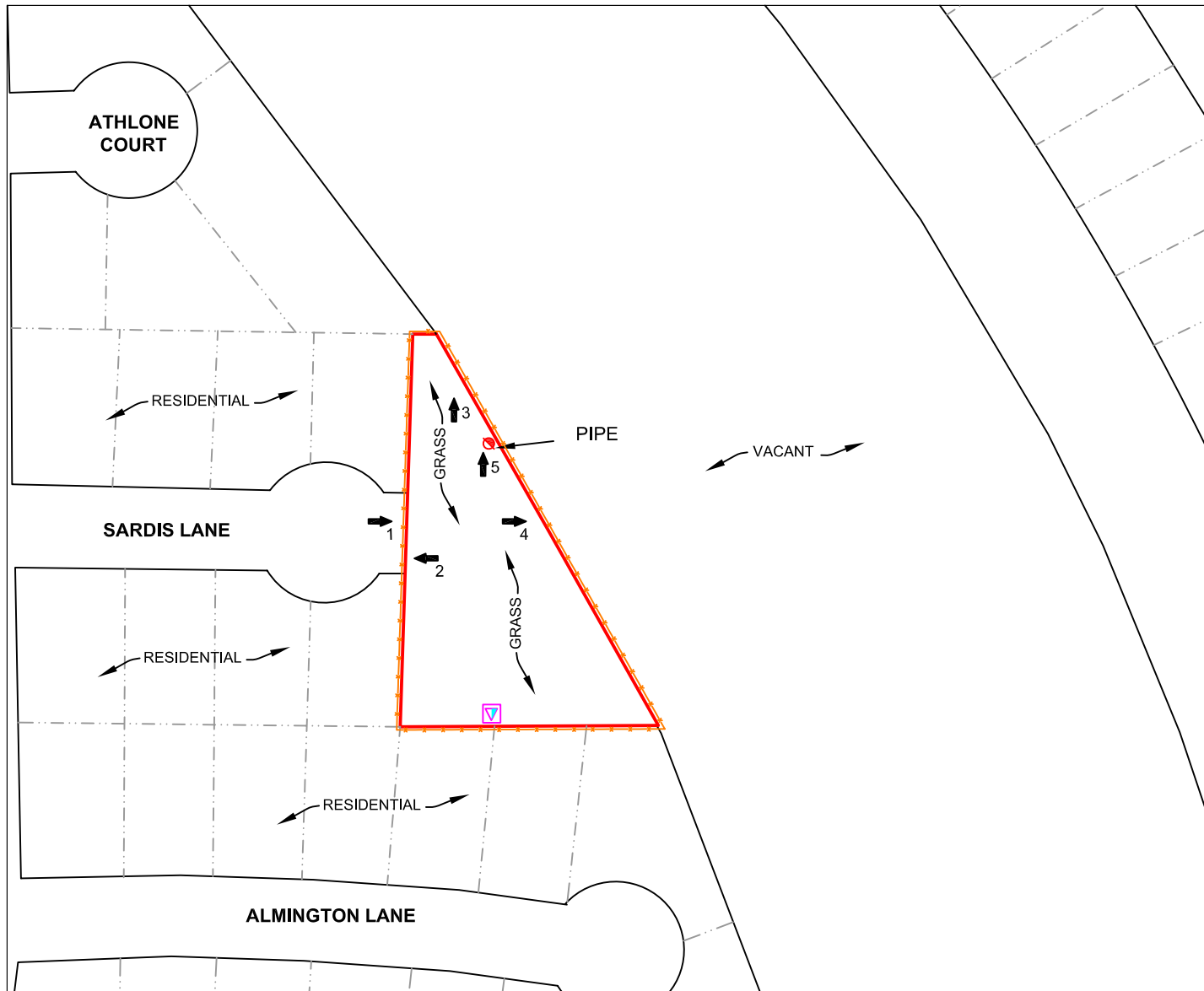
The subject property is located in an area of Harris County that has historically been developed as residential and commercial properties. Land use in the general area is currently a mixture of commercial and residential properties.

3.3. Site Overview

The subject property is currently vacant and undeveloped. Surface coverage consists of native grass and few trees. A chain link fence runs along the boundaries. A pipe is observed on the northeast side of the subject property. Based on a review of the aerial photographs, it appears the subject property was used as a water plant from the 1970s through the 1990s. A site plan illustrating the subject property and surrounding area is presented as *Figure 1*.

3.4. Adjoining Property Uses

The subject property is bound to the north and northwest by residential properties, to the east by Sardis Lane, to the southwest and south by residential properties, and to the east by vacant land.



LEGEND

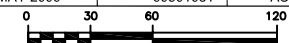
- SUBJECT PROPERTY BOUNDARY
- CHAIN LINK FENCE
- ◻ PAD-MOUNTED TRANSFORMER
- 1** ➔ PHOTOGRAPHIC LOCATION AND DIRECTION

ECs ENVIRONMENTAL CONSULTING SERVICES, INC.
 5718 WESTHEIMER ROAD, Suite 1575
 HOUSTON, TX 77057

SITE PLAN

PHASE I ENVIRONMENTAL SITE ASSESSMENT
 LITTLE YORK WATER PLANT
 3900 BLOCK SARDIS
 HOUSTON, HARRIS COUNTY, TEXAS

DATE: MAY 2006 JOB NO: 60501081 SCALE: AS SHOWN



APPROXIMATE SCALE: 1"=60'

FIGURE

1



4. HISTORICAL REVIEW

The following sections discuss the historical information for the site obtained from reviewing ownership records, aerial photographs, sanborn fire insurance maps, and city directories. From the research performed, one cannot determine whether any hazardous or toxic materials were used, stored, or handled on the above site during the period in review. Beyond such an interpretation of the available historical information obtained through the course of this assessment, ECS personnel cannot make any further deductions relating to the past use of the subject property.

4.1. Current & Prior Ownership

A 50-year chain-of-title review was not requested by the Client, nor performed by ECS. Based on our review of the Harris County Appraisal District's (HCAD) Real Estate Ownership Records (Account #1059310000013), the subject property has been owned by Little York Utility District since January 2, 1988. A copy of the HCAD records is included in *Appendix B*.

4.2. Aerial Photographs

Aerial photographs depicting development of the site and site vicinity were reviewed to help establish prior land use and for evidence of processes, facilities or surface features that might be an indication of storage or disposal of waste materials. The aerial photographs obtained from GeoSearch, in Austin, Texas, were dated 1944, 1953, 1978, 1986, 1996 and 2004. Copies of the photographs are included in *Appendix B*.

The 1944, 1953 and 1969 aerial photographs show the subject property vacant and undeveloped. The general vicinity appears primarily vacant and undeveloped.

The 1979 aerial photograph shows the subject property with one aboveground storage tank. A vacant property appears adjacently east. Residential properties appear to the north, west and south of the subject property.

The 1986 and 1996 aerial photographs show the subject property relatively unchanged from the 1979 aerial photograph except for additional residential properties to the north and south of the subject property.

The 2004 aerial photograph shows the subject property as it is today vacant and undeveloped. The aboveground storage tank is no longer visible. The general area appears relatively unchanged from the 1996 aerial photograph and developed with residential properties.

4.3. Sanborn Fire Insurance Maps

Based on the research performed by GeoSearch, there are no historical Sanborn Fire Insurance Maps (Sanborn Maps) for the subject property and adjacent properties.

4.4. City Directories

A review of historical city directories for the subject property was performed to determine some of the commercial/industrial entities of environmental concern that occupied the subject property and/or adjacent properties. The only directories available were for 1984 and 2003. A copy of the historical city directory search results provided by GeoSearch is included in ***Appendix B***.

Sardis Lane is not listed in the 1984 city directory.

The address of the subject property is not listed in the 2003 city directory. The only addresses listed are for residential properties.

5. ENVIRONMENTAL SETTING

This section provides information on the geology and hydrogeology of the subject property.

5.1. Hydrologic Characteristics

A review of the U.S.G.S. Aldine, Texas 7.5-minute topographic quadrangle map of the area indicates the subject property is located approximately 80 feet above mean sea level (AMSL) (*Figure 2*).

A review of the City of Houston, Texas Flood Insurance Rate Map No. 48201C0465K, dated April 20, 2000 indicates the subject property lies in Zone X unshaded, defined as “Areas determined to be outside the 500-year floodplain” (*Figure 3*).

5.2. Subsurface Geological Characteristics

The Soil Survey of Harris County, Texas published by the United States Department of Agriculture Soil Conservation Service classifies the soil beneath the subject property as the Clodine-Urban land complex (Ce) (*Figure 4*). This is a nearly level complex in broad, irregular areas. The slope ranges from 0 to 1 percent but averages 0.6 percent. The surface layer of the Clodine soil is friable, dark gray loam about 12 inches thick. It is neutral in the upper part and moderately alkaline in the lower part. The layer below that is friable, moderately alkaline, gray loam about 17 inches thick. The next layer is friable, moderately alkaline, light brownish gray loam that has irregular, pitted calcium carbonate concretions. The main limitation is poor drainage.

Radon can be found in high concentrations in certain soils and rocks containing uranium, granite, shale, phosphate, and pitchblende. It can also be found in soils contaminated with certain types of industrial wastes, such as the by-products from uranium or phosphate mining. According to the Texas Department of State Health Services (DSHS) in Austin, Texas, natural radon levels in the soils throughout Harris County are well below the specified Environmental Protection Agency (EPA) action level of 4.0 pci/l (picocuries per liter). No industrial wastes that could contain radon were observed or known to exist on the subject property.

5.3. Groundwater Characteristics

Harris County is located within the Gulf Coast Aquifer System which includes the Chicot, Evangeline, and Jasper Aquifers. The Chicot is the uppermost aquifer and extends to the surface in the study area. Shallow groundwater, which can be found at depths of less than 30 feet in the study area, is from the Chicot. Depth to shallow groundwater can vary with the seasons and with weather

patterns. Groundwater movement direction is variable from location to location and may not follow the surface flow direction. Shallow groundwater is generally not used as a water source and is not considered potable.

At greater depths, the Chicot Aquifer produces sufficient quantities of water that is suitable for domestic, commercial, and light industrial purposes. The Evangeline Aquifer, which underlies the Chicot in the study area and is found at a depth of approximately 500 feet, is the major producer of groundwater in the Houston Metropolitan Area. The Evangeline produces water in sufficient amounts for domestic, commercial, and light industrial purposes in Harris County. Below the Evangeline at a depth between 1,800 feet and 2,800 feet is the Burkeville Confining System and at a depth between 2,100 feet and 3,100 feet is the Jasper Aquifer which is typically not used for water production in the subject area.

The deeper zones of water production in the Chicot and Evangeline Aquifers are usually hydraulically discontinuous with the overlying, groundwater-bearing, shallow sands and silts.

A search of requested water wells within a 1-mile radius of the subject property boundary was obtained by GeoSearch. According to GeoSearch, no water wells are documented on the subject property. Three (3) registered water wells are plotted within a ½-mile radius of the subject property. Detailed information pertaining to the search for registered water wells is included in the GeoSearch regulatory review report in *Appendix C*.

5.4. National Wetland Inventory Map

The US Army Corps of Engineers and the US Environmental Protection Agency jointly define wetlands as follows: “Those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas”.

Wetlands such as swamps and marshes are often obvious, but some wetlands are not easily recognized, often because they are dry periodically during parts of the year. The landowner must notify the Corps of Engineers of the presence of wetlands and potentially be responsible for mitigating the “wetland area”.

A review of the National Wetland Inventory Map for Aldine does not indicate possible wetlands within the subject site boundaries. A wetland determination survey was not part of the scope of services of this project and therefore was not performed. A copy of the map is included in *Appendix C*.



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HOUSTON, TEXAS 77057

SITE VICINITY & TOPOGRAPHIC MAP

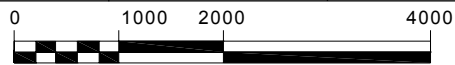
PHASE I ENVIRONMENTAL SITE ASSESSMENT
LITTLE YORK WATER PLANT
3900 BLOCK SARDIS
HOUSTON, HARRIS COUNTY, TEXAS

REFERENCE USGS 7.5-MINUTE TOPOGRAPHIC QUADRANGLE
ALDINE TEXAS
1982

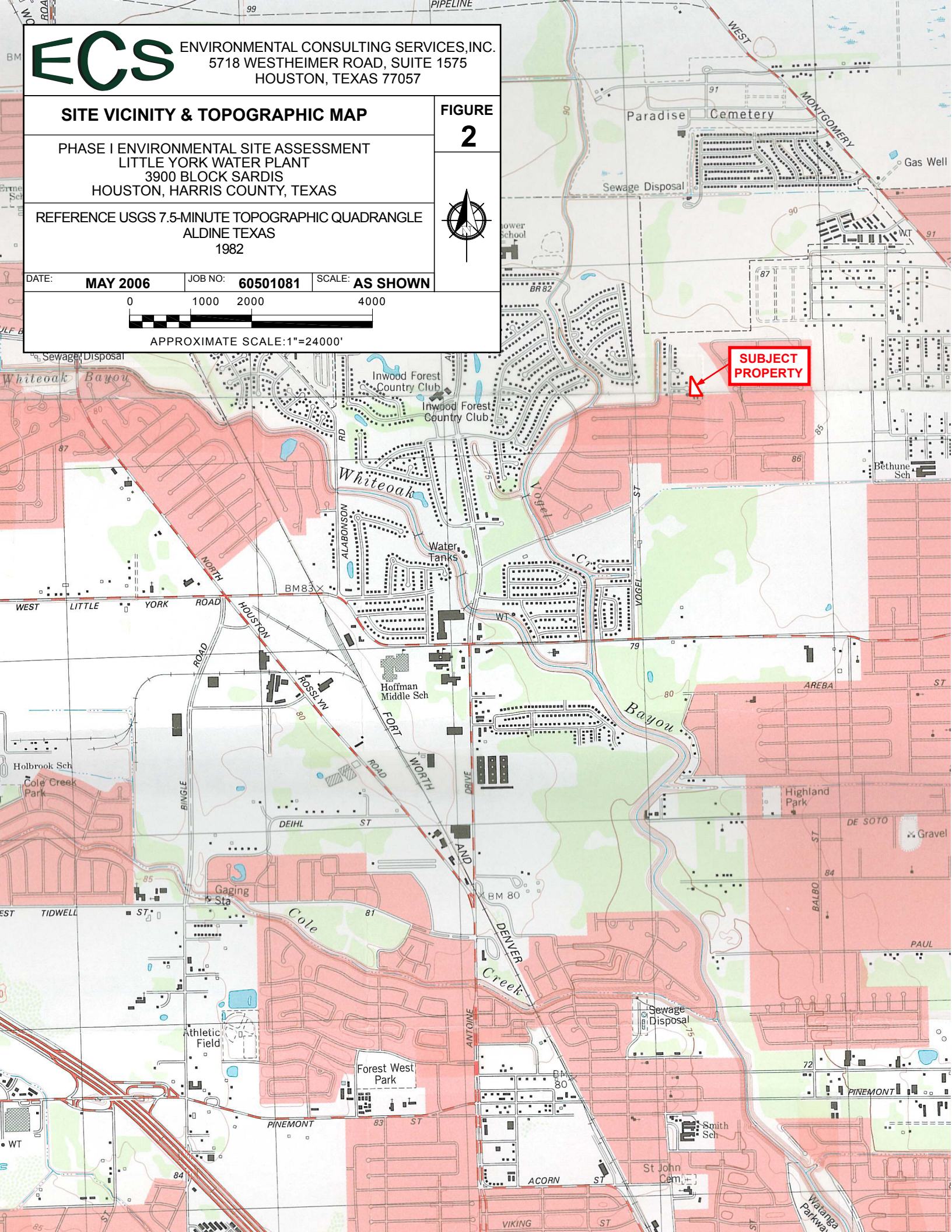
FIGURE
2



DATE: **MAY 2006** JOB NO: **60501081** SCALE: **AS SHOWN**



APPROXIMATE SCALE: 1"=24000'





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HOUSTON, TEXAS 77057

FEMA FLOOD INSURANCE RATE MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT
LITTLE YORK WATER PLANT
3900 BLOCK SARDIS
HOUSTON, HARRIS COUNTY, TEXAS

FEDERAL EMERGENCY MANAGEMENT AGENCY
HARRIS COUNTY, TEXAS
MAP NO.: 48201C0465 K

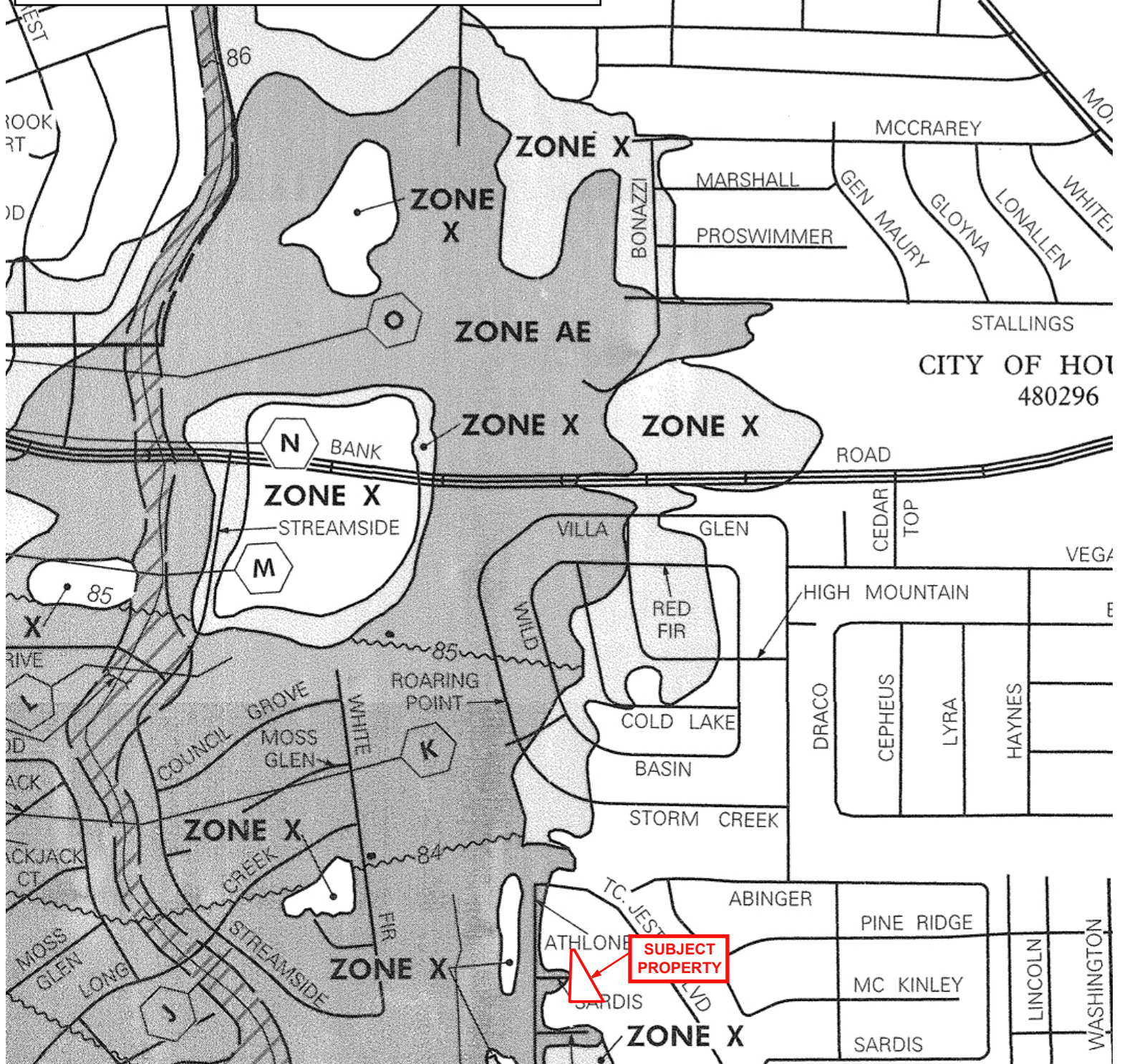
FIGURE
3



DATE: **MAY 2006** JOB NO: **60501081** SCALE: **AS SHOWN**



APPROXIMATE SCALE: 1"=2000'





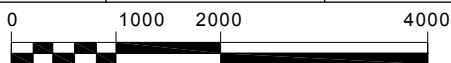
ENVIRONMENTAL CONSULTING SERVICES, INC.
5718 WESTHEIMER ROAD, SUITE 1575
HOUSTON, TEXAS 77057

SOIL SURVEY MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT
LITTLE YORK WATER PLANT
3900 BLOCK SARDIS
HOUSTON, HARRIS COUNTY, TEXAS

U.S.D.A. Soil Survey of Harris County, Texas 1976
Page Number 68

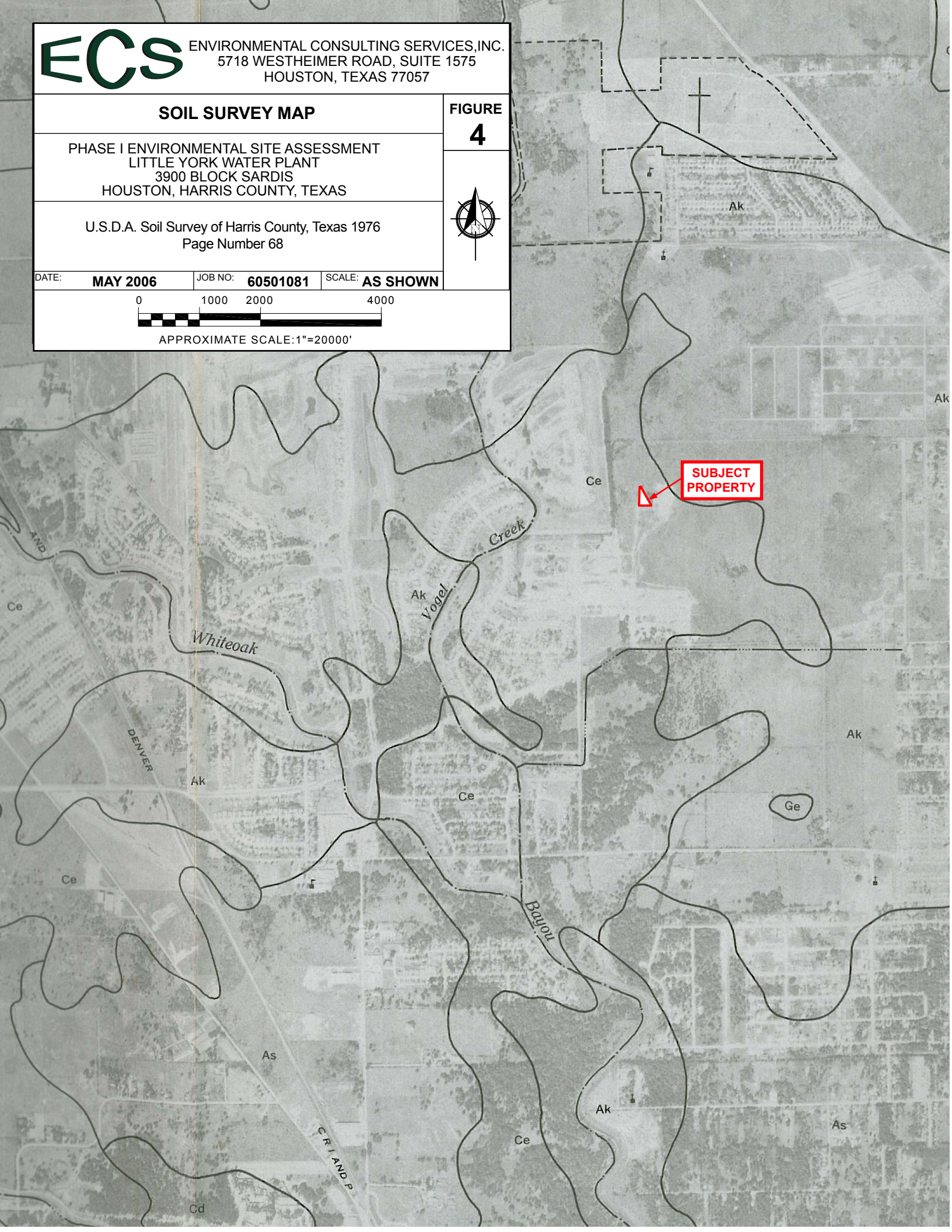
DATE: **MAY 2006** JOB NO: **60501081** SCALE: **AS SHOWN**



APPROXIMATE SCALE: 1"=20000'

FIGURE

4



6. SITE RECONNAISSANCE

This section describes the on-site inspection conducted for the subject property. Mr. Danny Srubar with ECS conducted an on-site inspection on May 6, 2006.

The property inspection included a visual inspection of the ground surface for signs of contamination, an inspection of the premises for other items of environmental concern, and an evaluation of the environmental condition of adjacent properties. A site map and photographs of the property taken by ECS during the visual inspection are included in *Appendix A*.

6.1 Observations

The property was inspected for obvious or potential sources of environmental contamination.

6.1.1. Hazardous Substances

ECS inspected the subject property for the presence of hazardous substances and/or chemicals, which may be located on site. No such evidence was observed at the time of the inspection. The subject property was vacant and undeveloped.

6.1.2. Electrical Transformers

A pad-mounted transformer was observed along the south boundary of the subject property. Non-leaking, single-phase, mineral oil transformers such as these pole-mounted, electrical transformers located adjacent to the subject property have typically not been tested for polychlorinated biphenyls (PCBs) and should be assumed to be PCB contaminated (PCB content greater than 50 parts per million (ppm) but less than 500 ppm). According to previous inquiries to CenterPoint Energy, non-leaking electrical transformers may be safely utilized for their useful lives with no requirements for record keeping or testing unless a leak is discovered or testing is requested (at the requestor's expense).

6.1.3. Solid Waste/Landfills

A landfill is a disposal facility or part of a facility where hazardous waste is placed in or on land and which is not a land treatment facility, a surface impoundment, or an injection well. According to the EPA, a landfill is defined as an engineered (by excavation or construction) or natural hole in the ground into which wastes have been disposed by backfilling, or by contemporaneous soil deposition with waste disposal, covering wastes from view. The problems that the agency deems to be

associated with such a characteristics is the migration of leachates and wastes from it into the ground and adjacent surface waters, subsidence of the grounds in and above it, methane gas generation, the formation of pockets in it, and erosion. During the site visit, the subject property and the surrounding area were surveyed for the evidenced of landfills or currently active waste lagoons. No such evidence was observed.

6.1.4. Stained Soils

No stained areas were observed on the subject property at the time of the field inspection.

6.1.5. Surfaces Impoundments

A surface impoundment is a facility or part of a facility which is a natural topographic depression, man-made excavation, or diked area formed primarily of earthen materials (although it may be lined with man-made materials), which is designed to hold an accumulation of liquid wastes or wastes containing free liquids, and which is not an injection well. Examples of surface impoundments are holding, storage, settling, and aeration pits, ponds and lagoons. During the site visit, no evidence of surface impoundments was reported.

6.2. Area Reconnaissance

An area reconnaissance (windshield survey) conducted by ECS revealed the surrounding area to be a mixture of residential and vacant properties.

7. REGULATORY REVIEWS

A review of environmental regulatory records was performed to determine if the subject property or nearby properties have faced or are currently facing any regulatory actions, fines, or violations for conditions that would have an environmental impact on the subject property.

7.1. Federal and State Regulatory Agency Inquiries

The following federal and state information sources were provided by GeoSearch to determine suspected or confirmed sites of environmental concern within the following approximate minimum search distances of the subject property (specified by ASTM):

1-Mile Search Distance

- U.S. Environmental Protection Agency (USEPA) National Priorities List (NPL), also known as Superfund (including proposed and delisted);
- Delisted National Priority List (DNPL);
- Records of Decision (RODS);
- Resource Conservation and Recovery Act-Corrective Action (RCRAC);
- Texas State Superfund (TXSF).

1/2-Mile Search Distance

- USEPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS);
- No Further Remedial Action Plan (NFRAP);
- Resource Conservation and Recovery Act-Treatment, Storage & Disposal (RCRAT);
- Open Dump Inventory (ODI);
- Voluntary Cleanup Program (VCP);
- Municipal Solid Waste Landfill Sites (MSWLF);
- Closed & Abandoned Landfill Inventory (CALF);
- Leaking Petroleum Storage Tank (LPST);
- Innocent Owner/Operator Program (IOP);
- Brownfield Site Assessment (BSA).

1/4-Mile Search Distance

- Resource Conservation and Recovery Act-Generator/Handler (RCRAG);
- Petroleum Storage Tanks (PST);
- Emergency Response Notification System (ERNS);

- Texas Spills Database (Spills);
- Industrial and Hazardous Waste (IHW);
- Innocent Owner/Operator Program (IOP).

A copy of the regulatory database search results provided by GeoSearch is included in **Appendix C**.

According to GeoSearch, there are no documented NPL, DNPL RODS, RCRAC, and/or TXSF sites located within a 1-mile radius of the subject property.

According to GeoSearch, there are no CERCLIS, NFRA, RCRAT, ODI, MSWLF, CALF, LPST, IOP VCP, IHW and/or BSA sites listed within a ½ -mile radius of the subject property.

According to GeoSearch, there are no ERNS, PST, AFS, DCR and/or Spills listed within a ¼ -mile radius of the subject property.

7.2. Local Governmental Inquiries

ECS contacted Ms. Evelyn Phillips with the City of Houston, Office of Environmental Health; Ms. Sandee Wilson with Harris County Pollution Control Office; and Sr. Captain Troy Lilley with the Houston Fire Department-Hazardous Materials Response Team (HAZMAT) in writing with regard to any environmental violations associated with the subject property. Copies of the records of communication with these governmental agencies are included in **Appendix D**.

According to Ms. Sandee Wilson, no investigation reports, letter of correspondence, or any other documents were filed for the subject property.

According to the City of Houston Fire Department, no spills were reported for the subject property.

According to Ms. Evelyn Phillips with the City of Houston Environmental Health Division, no information was available for the subject property.

8. CONSLUSIONS AND RECOMMENDATIONS

Environmental Consulting Services, Inc. (ECS) has completed a Phase I Environmental Site Assessment (ESA) of a tract of land located at 3900 block of Sardis Lane, in Houston, Harris County, Texas. The Phase I ESA was performed in conformance with the scope and limitations of ASTM Practice E 1527-05. Any exceptions to, or deletions from, this practice are described within this report.

The subject property is consists of 0.6743 acre tract being Unrestricted Reserve "E" Inwood Pines, Section Two, an addition in Harris County, as recorded in Volume 197, Page 85, Map Records of Harris County, Texas (HCAD Account #1059310000013). It has been owned by the City of Houston since January 2, 1988. It is currently vacant and undeveloped. Surface coverage consists of native grass and few trees. A chain link fence runs along the boundaries. A pipe is observed on the northeast side of the subject property. A pad-mounted transformer is located along the southern boundary of the subject property.

From a review of the aerial photographs, it appears the subject property was used as a water plant from the 1970s through the 1990s. An aboveground storage tank appears in the 1979, 1986 and 1996 aerial photographs. During the site inspection, there was no indication of spills or soil stains. Given the past use of the property as a water plant, the identified tanks appear to be water tank.

ECS reviewed historical aerial photographs, city directories, and regulatory database listings to determine if the subject property or nearby properties have indications of *recognized environmental conditions*. Based on our review, *recognized environmental conditions* associated with the subject property have not been identified.

Although not considered *recognized environmental conditions*, the following conditions warrant mention:

- A pipe was observed on the northeast side of the subject property. Given the past use of the property as a water plant, the pipe is most probably associated with the water tanks previously located on-site. However, ECS recommends further investigation into the current and past use of the pipe and if it is or was connected to an underground storage tank or another system that may adversely affect the subject property.

These conclusions and recommendations have been based on a limited inspection and research of public documents pertaining to the subject property. Conclusions drawn by others from the results of this assessment should recognize the limitations of the methods used. This report was produced

for the exclusive use of the City of Houston. Further dissemination of this report without prior written authorization from ECS and the City of Houston is strictly prohibited.

APPENDIX A

PHOTOGRAPHIC DOCUMENTATION



Photo No. 1: View of subject property looking East.



Photo No. 2: View of the West side of subject property and adjacently West properties.



Photo No. 3: View of the North side of subject property and adjacently North properties.



Photo No. 4: View of the East side of subject property and adjacently East properties.



Photo No. 5: Pipe observed on the Northeast side of the subject property.

APPENDIX B

**OWNERSHIP RECORDS
AERIAL PHOTOGRAPHS
SANBORN MAPS
CITY DIRECTORIES**

OWNERSHIP RECORDS

HARRIS COUNTY APPRAISAL DISTRICT
REAL PROPERTY ACCOUNT INFORMATION
1059310000013

Tax Year: 2006

Owner and Property Information						
Owner Name & Mailing Address:		LITTLE YORK UTILITY DIST UNKNOWN HOUSTON TX 77039		Legal Description: RES E BLK 8 (009&061*RES TR E) INWOOD PINES SEC 2 Property Address: 0 SARDIS LN HOUSTON TX 77088		
State Class Code	Land Use Code		Land Area	Building Area	Neighborhood	Map Facet
X1 -- Governmental Exempt	4735 -- Utility District, Other Operating		29,185 SF	0	9302	5162D
			Key Map			
			411V			

Value Status Information				
Capped Account	Value Status	Notice Date	ARB Status	Shared CAD
No	Noticed	4/19/2006	Not Certified	No

Exemptions and Jurisdictions				
Exemption Type	Districts	Jurisdictions	2005 Rate	2006 Rate
Total	009	ALDINE ISD	1.70900	
	040	HARRIS COUNTY	0.39986	
	041	HARRIS CO FLOOD CNTRL	0.03322	
	042	PORT OF HOUSTON AUTHY	0.01474	
	043	HARRIS CO HOSP DIST	0.19216	
	044	HARRIS CO EDUC DEPT	0.00629	
	045	N HARRIS-MONT COL DIS	0.12070	
	061	CITY OF HOUSTON	0.64750	
	941	NW MGMT DIST COMM	0.09000	

Valuations					
2005 Value			2006 Value		
	Market	Appraised		Market	Appraised
Land			Land	72,963	
Improvement			Improvement	750,000	
Total	822,963	822,963	Total	822,963	822,963

Land												
Market Value Land												
Line	Description	Site Code	Unit Type	Units	Size Factor	Site Factor	Appr O/R Factor	Appr O/R Reason	Total Adj	Unit Price	Adj Unit Price	Adj Value
1	4735 -- Utility District, Other Operating	AC6	AC	1	1.00	1.00	1.00	--	1.00	\$108,900.00	\$108,900.00	\$72,963

Building												
Vacant (No Building Data)												

Ownership History: 1059310000013

Property Address

**0 SARDIS LN
HOUSTON TX 77088**

Owner

Effective Date

LITTLE YORK UTILITY DIST

1/2/1988

[end of record]

-close window-

AERIAL PHOTOGRAPHS



PHASE I ENVIRONMENTAL SITE ASSESSMENT
LITTLE YORK WATER PLANT
3900 BLOCK SARDIS
HOUSTON, HARRIS COUNTY, TEXAS

1944

AGRICULTURAL STABILIZATION &
CONSERVATION SERVICE

SCALE: 1" = 500' APPROX.



SUBJECT
PROPERTY





PHASE I ENVIRONMENTAL SITE ASSESSMENT
LITTLE YORK WATER PLANT
3900 BLOCK SARDIS
HOUSTON, HARRIS COUNTY, TEXAS

1953

AGRICULTURAL STABILIZATION &
CONSERVATION SERVICE

SCALE: 1" = 500' APPROX.



**SUBJECT
PROPERTY**



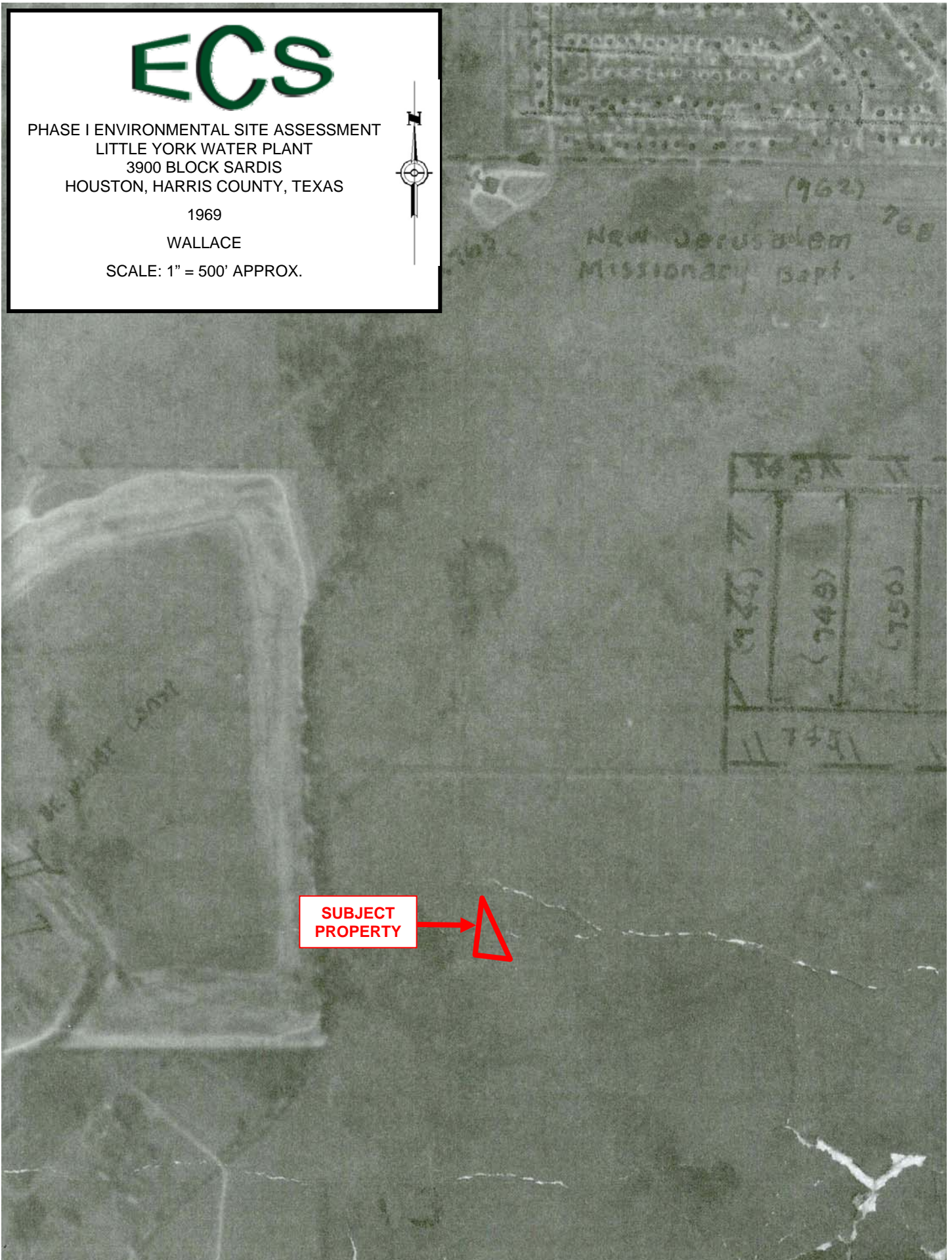


PHASE I ENVIRONMENTAL SITE ASSESSMENT
LITTLE YORK WATER PLANT
3900 BLOCK SARDIS
HOUSTON, HARRIS COUNTY, TEXAS

1969

WALLACE

SCALE: 1" = 500' APPROX.



SUBJECT
PROPERTY

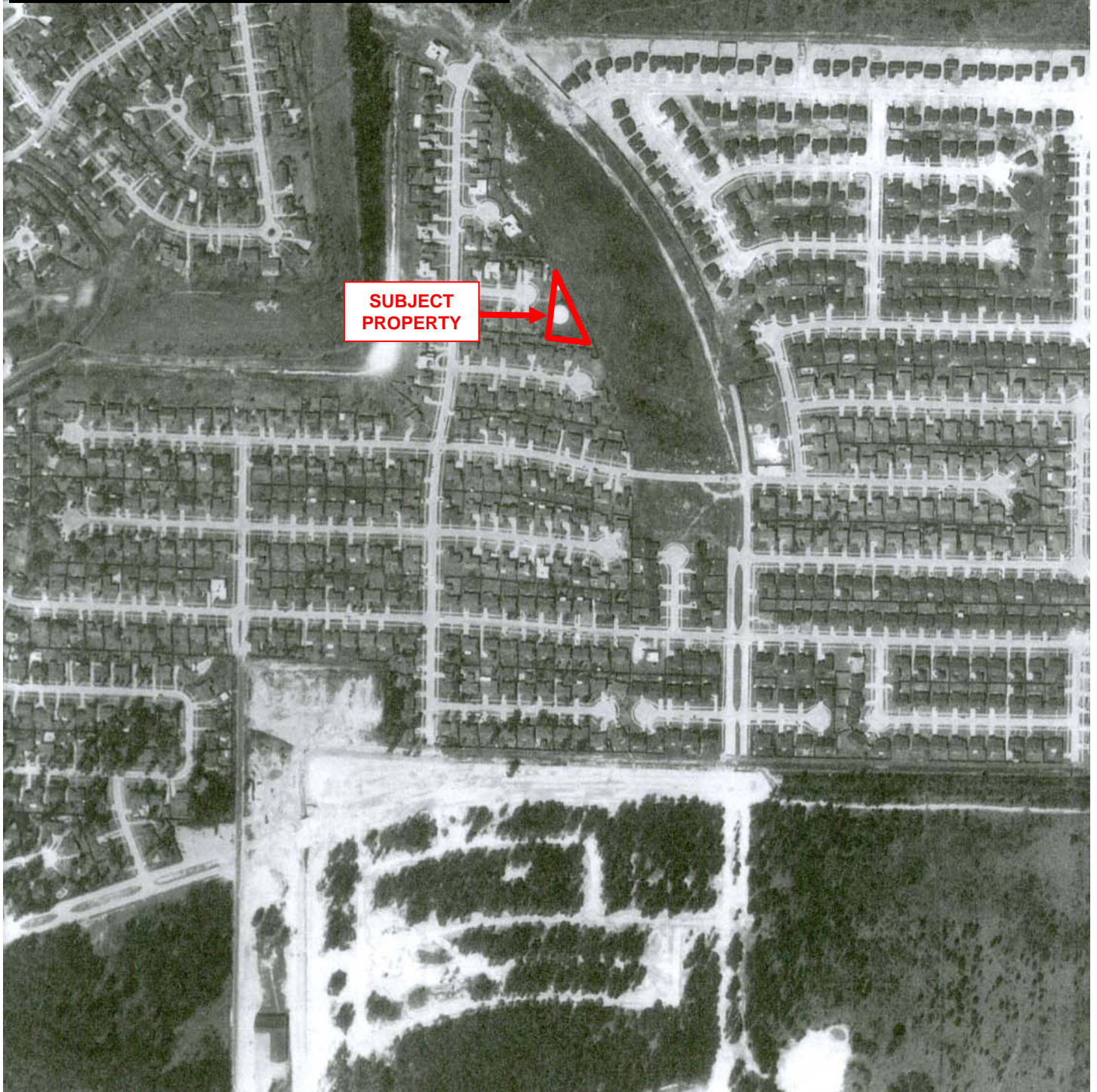


PHASE I ENVIRONMENTAL SITE ASSESSMENT
LITTLE YORK WATER PLANT
3900 BLOCK SARDIS
HOUSTON, HARRIS COUNTY, TEXAS
1979

TEXAS DEPARTMENT OF TRANSPORTATION
SCALE: 1" = 500' APPROX.



**SUBJECT
PROPERTY**





PHASE I ENVIRONMENTAL SITE ASSESSMENT
LITTLE YORK WATER PLANT
3900 BLOCK SARDIS
HOUSTON, HARRIS COUNTY, TEXAS
1986

TEXAS DEPARTMENT OF TRANSPORTATION
SCALE: 1" = 500' APPROX.



**SUBJECT
PROPERTY**



ECS

PHASE I ENVIRONMENTAL SITE ASSESSMENT
LITTLE YORK WATER PLANT
3900 BLOCK SARDIS
HOUSTON, HARRIS COUNTY, TEXAS

1996

UNITED STATES GEOLOGICAL SURVEY
SCALE: 1" = 500' APPROX.



SUBJECT
PROPERTY





PHASE I ENVIRONMENTAL SITE ASSESSMENT
LITTLE YORK WATER PLANT
3900 BLOCK SARDIS
HOUSTON, HARRIS COUNTY, TEXAS
2004

UNITED STATES DEPARTMENT OF
AGRICULTURE

SCALE: 1" = 500' APPROX.



**SUBJECT
PROPERTY**



SANBORN MAPS



Date: May 3, 2006

GS Job Number: 55493

Client Contact: Lina Jazi

Client Information: ECS - Houston

Project Number: 60501081

Site Information: Little York Water Plant
3900 Sardis Lane
Houston, TX

The collection of Sanborn fire insurance maps has been reviewed according to the site information listed above. Based on the information provided, no coverage is available.

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CITY DIRECTORIES

CITY DIRECTORY SEARCH

SITE ADDRESS: 3900 Sardis Ln., Houston, TX 77088

<u>SOURCE</u>	<u>YEAR</u>	<u>TARGET ADDRESS AND SURROUNDINGS</u>
----------------------	--------------------	---

Cole:

Greater Houston & Vicinity	2003	
----------------------------	------	--

Sardis Ln.:

3622 L.A. Wilkinson

3900 Address not listed

3902 Bruce H. Spice
Caroline M. Spice

3903 Ricardo L. Romero

3906 Spike Hubbs

3907 NP

R.L. Polk & Co.:

Houston

1984

Sardis Ln.:

Street not listed

Note: There were no directories available for the years 1985-2002.

APENDIX C
REGULATORY RECORDS

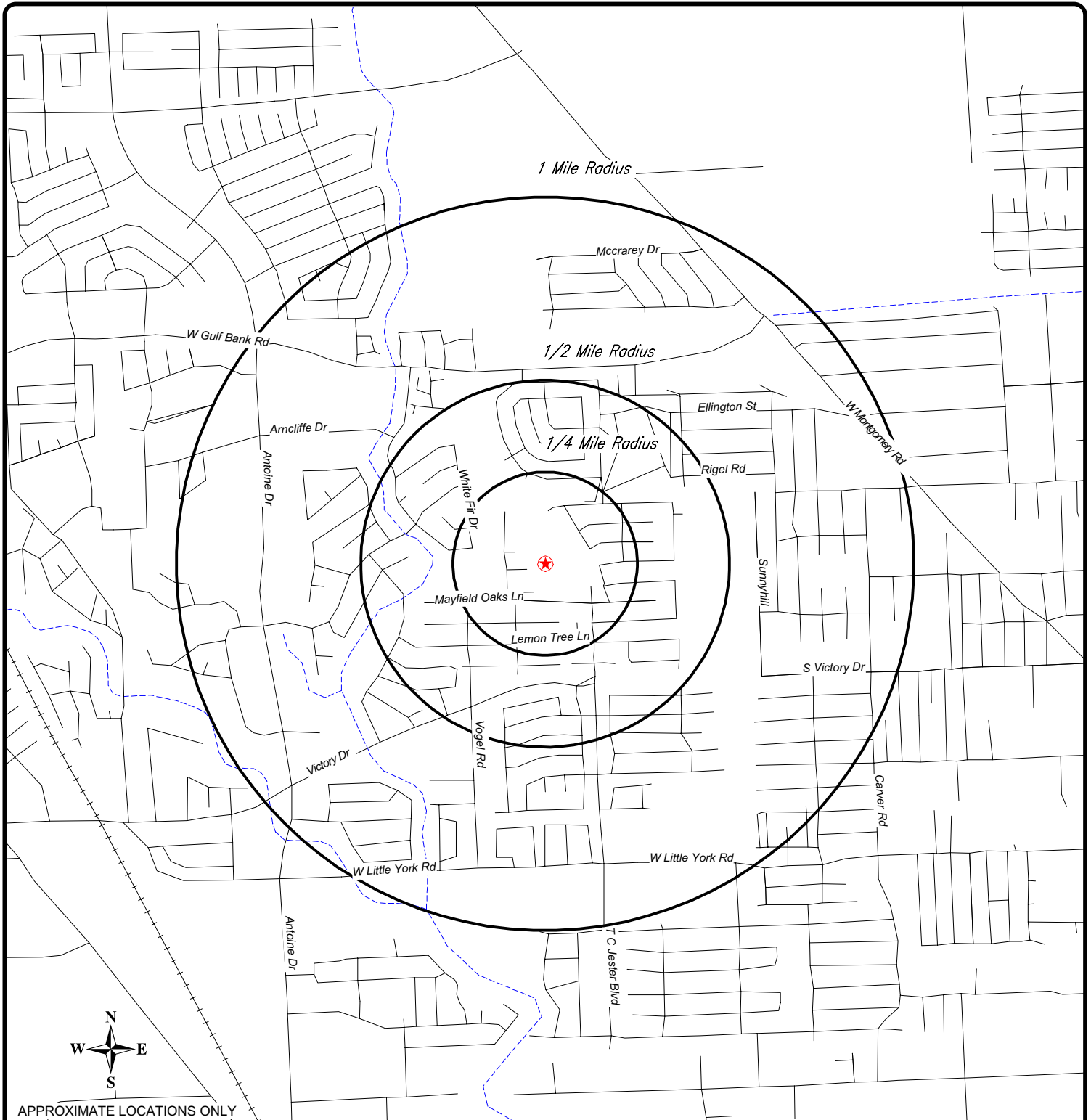
DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA-TABLE	UNLOCA-TABLE	SEARCH RADIUS
<u>FEDERAL</u>				
NATIONAL PRIORITY LIST	NPL	0	0	1.000 mi
DELISTED NATIONAL PRIORITY LIST	DNPL	0	0	1.000 mi
RECORDS OF DECISION	RODS	0	0	1.000 mi
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION & LIABILITY INFORMATION SYSTEM	CERCLIS	0	0	0.500 mi
NO FURTHER REMEDIAL ACTION PLANNED	NFRAP	0	0	0.500 mi
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION	RCRAC	0	0	1.000 mi
RESOURCE CONSERVATION & RECOVERY ACT - TREATMENT, STORAGE & DISPOSAL	RCRAT	0	0	0.500 mi
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR / HANDLER	RCRAG	0	0	0.250 mi
EMERGENCY RESPONSE NOTIFICATION SYSTEM	ERNS	0	0	0.250 mi
OPEN DUMP INVENTORY	ODI	0	0	0.500 mi
AIRS FACILITY SUBSYSTEM	AFS	0	0	0.250 mi
<u>STATE</u>				
STATE SUPERFUND	TXSF	0	0	1.000 mi
VOLUNTARY CLEANUP PROGRAM	VCP	0	0	0.500 mi
MUNICIPAL SOLID WASTE LANDFILL SITES	MSWLF	0	0	0.500 mi
CLOSED & ABANDONED LANDFILL INVENTORY	CALF	0	0	0.500 mi
LEAKING PETROLEUM STORAGE TANK	LPST	0	0	0.500 mi
PETROLEUM STORAGE TANKS	PST	0	0	0.250 mi
SPILLS LISTING	SPILLS	0	0	0.250 mi
INDUSTRIAL AND HAZARDOUS WASTE	IHW	0	0	0.250 mi
INNOCENT OWNER / OPERATOR PROGRAM	IOP	0	0	0.500 mi
DRY CLEANER REGISTRATION	DCR	0	0	0.250 mi
BROWNFIELD SITE ASSESMENT	BSA	0	0	0.500 mi
COMBINED WATER WELL DATABASE	WATERWELL	3	0	0.500 mi
TOTAL		3	0	
FEDERAL EMERGENCY MANAGEMENT AGENCY MAP	FEMA		ECOPY UNAVAILABLE	
NATIONAL WETLANDS INVENTORY MAP	NWI			
SOIL SURVEY MAP	SOIL			

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2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 1-866-396-0042 · fax: 512-472-9967



APPROXIMATE LOCATIONS ONLY



TARGET PROPERTY (TP)

SITE MAP

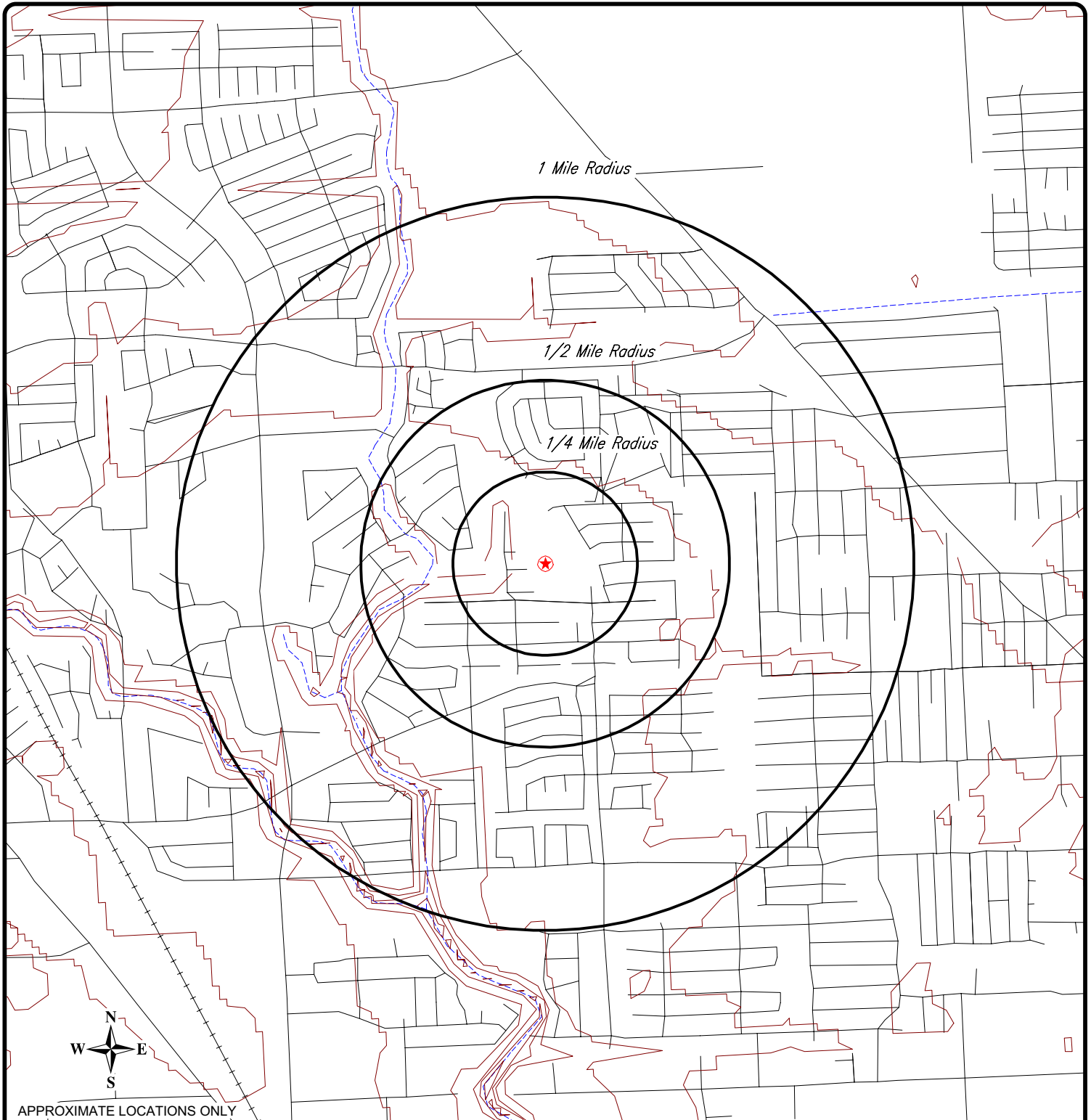
Little York Water Plant
3900 Sardis Lane
Houston, TX
Project #: 60501081





SCALE: 1" = 2000'



2705 Bee Caves Rd, Suite 330
Austin, Texas 78746
866-396-0042

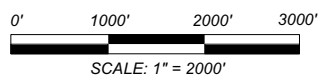


APPROXIMATE LOCATIONS ONLY

-  TARGET PROPERTY (TP)
-  CONTOUR INTERVAL

SITE/CONTOUR MAP
Aldine Quadrangle
Source: USGS Digital Elevation Model

Little York Water Plant
3900 Sardis Lane
Houston, TX
Project #: 60501081



2705 Bee Caves Rd, Suite 330
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1 Mile Radius

1/2 Mile Radius

1/4 Mile Radius



APPROXIMATE LOCATIONS ONLY

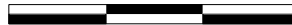
★ TARGET PROPERTY (TP)

ORTHOPHOTO SITE MAP

Aldine Quadrangle
Source: Kucera Intl. (01/2002)

Little York Water Plant
3900 Sardis Lane
Houston, TX
Project #: 60501081

0' 1000' 2000' 3000'



SCALE: 1" = 2000'



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

AFS	Aerometric Information Retrieval System/ Airs Facility Subsystem	(2/2005)	ASTM Supplemental
-----	--	----------	-------------------

The AIRS database provides air monitoring data from the EPA's Air Quality System (AQS). The database contains measurements of air pollutant concentrations in the 50 United States, plus the District of Columbia, Puerto Rico, and the Virgin Islands. The measurements include both criteria air pollutants and hazardous air pollutants.

BRS	Biennial Reporting System	(1/2003)	ASTM Supplemental
-----	---------------------------	----------	-------------------

The United States Environmental Protection Agency (EPA), in cooperation with the States, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The purpose of this report is to communicate the findings of EPA's Biennial Reporting System (BRS) data collection efforts to the public, government agencies, and the regulated community.

CERCLIS	Comprehensive Environmental Response, Compensation & Liability Information System	(1/2006)	ASTM
---------	---	----------	------

CERCLIS is the repository for site and non-site specific Superfund information in support of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). This database contains an extract of sites that have been investigated or are in the process of being investigated for potential environmental risk.

DNPL	Delisted National Priority List	(1/2006)	ASTM
------	---------------------------------	----------	------

This database includes U.S. Environmental Protection Agency (EPA) Final National Priority List sites where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

DOCKETS	Epa Docket Data		ASTM Supplemental
---------	-----------------	--	-------------------

EPA Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards all by facility and geographically.

DOD	Department Of Defense Sites	(1/2005)	ASTM Supplemental
-----	-----------------------------	----------	-------------------

This information originates from the National Atlas of the United States, publication date October 2005. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

ERNS	Emergency Response Notification System	(1/2004)	ASTM
------	--	----------	------

This database contains data on reported releases of oil and hazardous substances. The data comes from spill reports made to the EPA, U.S. Coast Guard, the National Response Center and/or the Department of Transportation.

FINDS	Facility Index System	(4/2005)	ASTM Supplemental
-------	-----------------------	----------	-------------------

FINDS data is a comprehensive listing of facilities regulated under a variety of EPA programs. The FINDS database provides some basic information about each facility and a listing of ID numbers in other EPA databases.

FUDS	Formerly Used Defense Sites	(12/2005)	ASTM Supplemental
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Formerly Used Defense Sites

HMIRS	Hazardous Materials Incident Reporting System	(2/2004)	ASTM Supplemental
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The HMIRS database contains unintentional hazardous materials release information reported to the US Department of Transportation.

MLTS	Material Licensing Tracking System	(11/2005)	ASTM Supplemental
------	------------------------------------	-----------	-------------------

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to Nuclear Regulatory Commission (NRC) licensing requirements.

NCDB	National Compliance Database System	(2/2005)	ASTM Supplemental
------	-------------------------------------	----------	-------------------

NCDB is the national repository of data from the EPA's (ten) regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS is transferred to NCDB to support the need for monitoring national performance of the following programs: Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) ,Toxic Substance Control Act (TSCA) , Emergency Planning and Right-to-Know Act, Section 313 (EPCRA) , Asbestos Hazard Emergency Response (AHERA) . NCDBC contain administrative case listings and NCDBI contain facility inspection information.

NFRAP	No Further Remedial Action Planned	(1/2006)	ASTM
-------	------------------------------------	----------	------

This database includes sites, which have been determined by the EPA, following preliminary assessment, to no longer pose a significant risk or require further activity under CERCLA. After initial investigation, no contamination was found, contamination was quickly removed or contamination was not serious enough to require Federal Superfund action or NPL consideration.

NPDES	National Pollutant Discharge Elimination System	(2/2005)	ASTM Supplemental
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Information in this database is extracted from the (PCS) Water Permit Compliance System database which is used by EPA to track surface water permits issued under the Clean Water Act.



ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

NPL	National Priority List	(1/2006)	ASTM
-----	------------------------	----------	------

This database includes U.S. Environmental Protection Agency (EPA) National Priority List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.

ODI	Open Dump Inventory	(6/1985)	ASTM Supplemental
-----	---------------------	----------	-------------------

Information on facilities or sites where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under section 6944 of the Solid Waste Disposal Act (42 U.S.C. 6941 et seq.) and which is not a facility for disposal of hazardous waste.

PADS	Pcb Activity Database	(3/2005)	ASTM Supplemental
------	-----------------------	----------	-------------------

The PCB Activity Database System (PADS) is used by the EPA to monitor the activities of polychlorinated biphenyls (PCB) handlers.

RCRA	Resource Conservation & Recovery Act	(10/2005)	ASTM
------	--------------------------------------	-----------	------

This databases include Handlers, Generators (Large, Small, and Exempt), Transporters, Violations, Corrective Actions, and Treatment, Storage & Disposal Facilities (TSD) (this database includes selective information on sites which handle, generate, transport, store, treat, or dispose of hazardous wastes). See RCRA Description page for more information.

RODS	Record Of Decision System	(4/2004)	ASTM Supplemental
------	---------------------------	----------	-------------------

These decision documents maintained by the U.S. EPA describe the chosen remedy for NPL (Superfund) site remediation. They also include site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, and scope and role of response action.

SSTS	Section Seven Tracking System	(12/2001)	ASTM Supplemental
------	-------------------------------	-----------	-------------------

SSTS is the system that EPA uses to track pesticide producing establishments and the amount of pesticides they produce. SSTS records the registration of new establishments and records pesticide production at each establishment. It is a repository for information on the establishments that produce pesticides.

TRI	Toxics Release Inventory	(12/2002)	ASTM Supplemental
-----	--------------------------	-----------	-------------------

This EPA database includes information about releases and transfers of toxic chemicals from manufacturing facilities.

ENVIRONMENTAL RECORDS DEFINITIONS - STATE

BSA	Brownfields Site Assessments	(7/2005)	ASTM Supplemental
------------	-------------------------------------	----------	-------------------

The BSA database includes relevant information on contaminated Brownfields properties that are being cleaned.

CALF	Closed & Abandoned Landfill Inventory	(11/2005)	ASTM
-------------	--	-----------	------

TCEQ, under a contract with Texas State University, and in cooperation with the 24 regional Council of Governments in the State, has located over 4,000 closed and abandoned municipal solid waste landfills throughout Texas. This listing contains "unauthorized sites". Unauthorized sites have no permit and are considered abandoned. The information available for each site varies in detail.

DCR	Dry Cleaner Registration	(6/2005)	ASTM Supplemental
------------	---------------------------------	----------	-------------------

The DCR listing includes dry cleaning drop stations and facilities registered with the Texas Commission on Environmental Quality.

IHW	Industrial And Hazardous Waste	(12/2005)	ASTM Supplemental
------------	---------------------------------------	-----------	-------------------

Owner and facility information is included in this database of industrial and hazardous waste sites. Industrial waste is waste that results from or is incidental to operations of industry, manufacturing, mining, or agriculture. Hazardous waste is defined as any solid waste listed as hazardous or possesses one or more hazardous characteristics as defined in federal waste regulations.

IOP	Innocent Owner / Operator	(7/2005)	ASTM Supplemental
------------	----------------------------------	----------	-------------------

Texas Innocent Owner / Operator (IOP) provides a certificate to an innocent owner or operator if their property is contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination.

LPST	Leaking Petroleum Storage Tank	(1/2006)	ASTM
-------------	---------------------------------------	----------	------

The Leaking Underground Storage Tank listing is derived from the Petroleum Storage Tank (PST) database and is maintained by the Texas Commission on Environmental Quality (TCEQ). This database includes facilities with reported leaking petroleum storage tanks.

MSWLF	Municipal Solid Waste Landfill Sites	(12/2005)	ASTM
--------------	---	-----------	------

Sites listed within a solid waste landfill database may include active landfills and inactive landfills, where solid waste is treated or stored.

PST	Petroleum Storage Tank	(1/2006)	ASTM
------------	-------------------------------	----------	------

The Underground Storage Tank listing is derived from the Petroleum Storage Tank database which is administered by the TCEQ (Texas Commission on Environmental Quality). Both Underground storage tanks (USTs) and Aboveground storage tanks (ASTs) are included in this report.



ENVIRONMENTAL RECORDS DEFINITIONS - STATE

SC	Sites With Controls	ASTM Supplemental
----	---------------------	-------------------

Institutional Controls, such as deed notices or restrictive covenants, that are in place to reduce or eliminate human exposure to contaminated sites. VCP database query

SPILLS	Spills Listing	(9/2004)	ASTM
--------	----------------	----------	------

The Texas Commission on Environmental Quality provides this database. Information includes releases of hazardous or potential hazardous chemical/materials into the environment.

TXSF	State Superfund	(1/2006)	ASTM
------	-----------------	----------	------

The state Superfund program mission is to remediate abandoned or inactive sites within the state that pose an unacceptable risk to public health and safety or the environment, but which do not qualify for action under the federal Superfund program (NPL - National Priority Listing). Information in this database includes any recent developments and the anticipated action for these sites.

VCP	Voluntary Cleanup Program	(7/2005)	ASTM Supplemental
-----	---------------------------	----------	-------------------

The Texas Voluntary Cleanup Program (VCP) provides administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas. Since all non-responsible parties, including future lenders and landowners, receive protection from liability to the state of Texas for cleanup of sites under the VCP, most of the constraints for completing real estate transactions at those sites are eliminated. As a result, many unused or underused properties may be restored to economically productive or community beneficial uses.

RCRA – Descriptions

Acronyms

RCRAG – RCRA GENERATOR/HANDLER

RCRAT – RCRA TSD

RCRA – RCRA CORRECTIVE ACTION

Generator Types

Large Quantity Generators:

- Generate 1,000 kg or more of hazardous waste during any calendar month; or
- Generate more than 1 kg of acutely hazardous waste during any calendar month; or
- Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or
- Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or
- Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulated more than 100 kg or that material at any time.

Small Quantity Generators:

- Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or
- Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.

Conditionally Exempt Small Quantity Generators:

- Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or
- Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time:
 - 1 kg or less of acutely hazardous waste; or
 - 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste; or
- Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month, and accumulate at any time:
 - 1 kg or less of acutely hazardous waste; or
 - 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

TSD Indicator: Indicates that the handler is engaged in the treatment, storage or disposal of hazardous waste.

Allowed Values: TSD

Not a TSD, Verified

Not a TSD, Unverified

Transporter Indicator: Indicates that the handler is engaged in the transportation of hazardous waste.

Allowed Values: Handler transports wastes for hire (i.e., commercial transport)

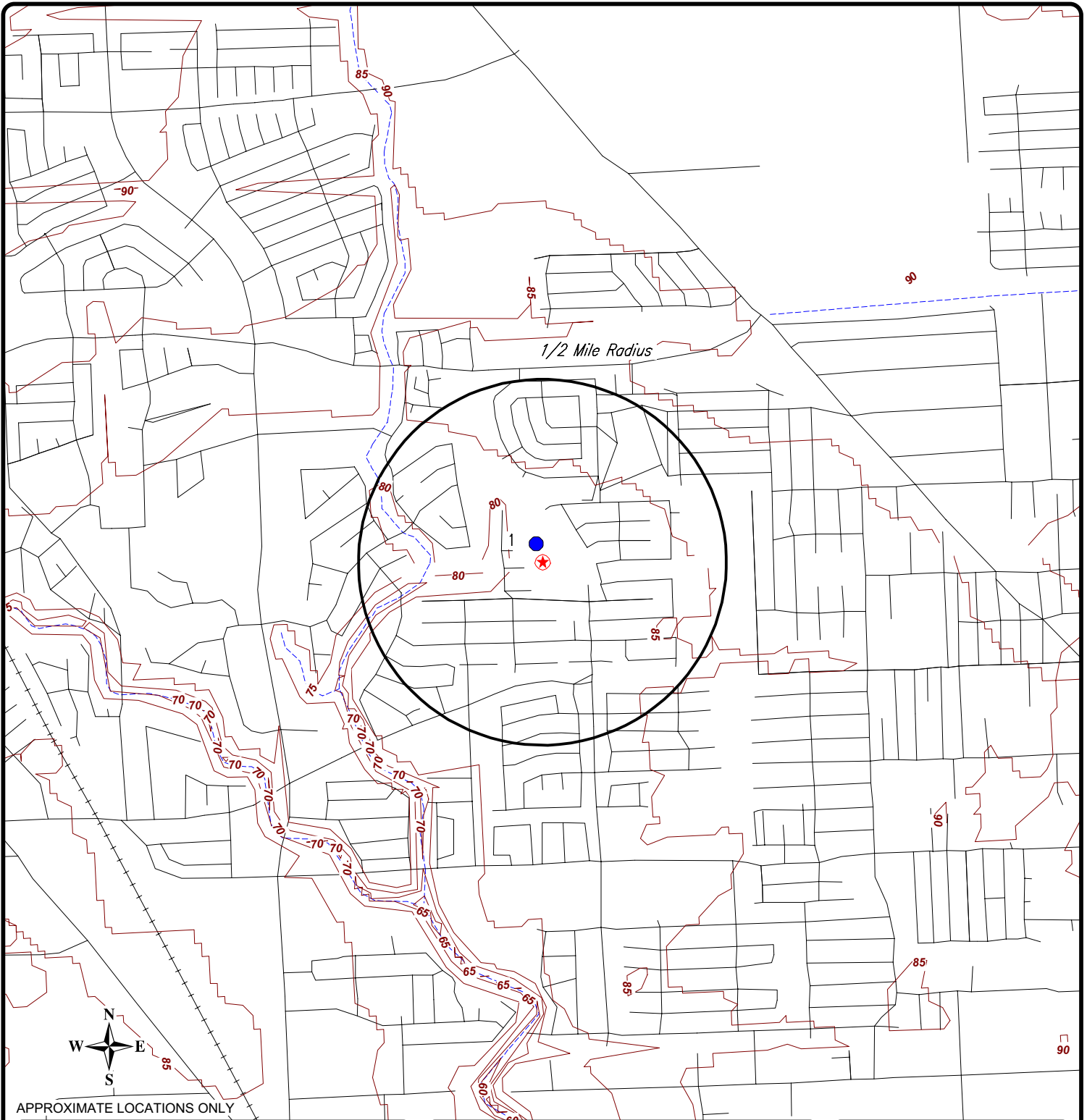
Handler transports wastes for self

Handler transports wastes, but commercial status is unknown

Not a transporter, verified

Unverified





APPROXIMATE LOCATIONS ONLY

- ★ TARGET PROPERTY (TP)
- WATERWELL

WATERWELL SITE MAP

Little York Water Plant
3900 Sardis Lane
Houston, TX
Project #: 60501081

0' 1000' 2000' 3000'
SCALE: 1" = 2000'



2705 Bee Caves Rd, Suite 330
Austin, Texas 78746
866-396-0042

GeoSearch

Environmental Data Services

SUMMARY OF LOCATED WATER WELLS

The list below identifies the sites that were found in the search area. This list is referenced by Map ID, ID Number, State ID, Owners Name, Date Drilled, Depth Drilled, Static Level, and Water Usage.

MAP ID#	ID NUMBER	STATE ID#	OWNERS NAME	DATE DRILLED	DEPTH DRILLED	STATIC LEVEL	WATER USAGE
1	1769	N/A	HOUSTON, CITY OF	1971	1050	NOT REPORTED	PUBLIC SUPPLY
1	G1010013DK	65-05-7	HOUSTON CITY OF PUBLIC WORKS DE	07/17/1971	1000	NOT REPORTED	PLUGGED
1	N/A	65-05-726	CITY OF HOUSTON LITTLE YORK	07/17/1971	1000	380	PUBLIC SUPPLY



COMBINED WATER WELL DATABASE (WATERWELL) - LOCATABLE

MAPID# 1

ID Number:	1769
State Id:	N/A
Owners Name:	HOUSTON, CITY OF
Date Drilled:	1971
Depth Drilled:	1050
Static Level:	NOT REPORTED
Water Usage:	PUBLIC SUPPLY
Longitude:	-95.46110000
Latitude:	29.875800000
Source:	HGWW

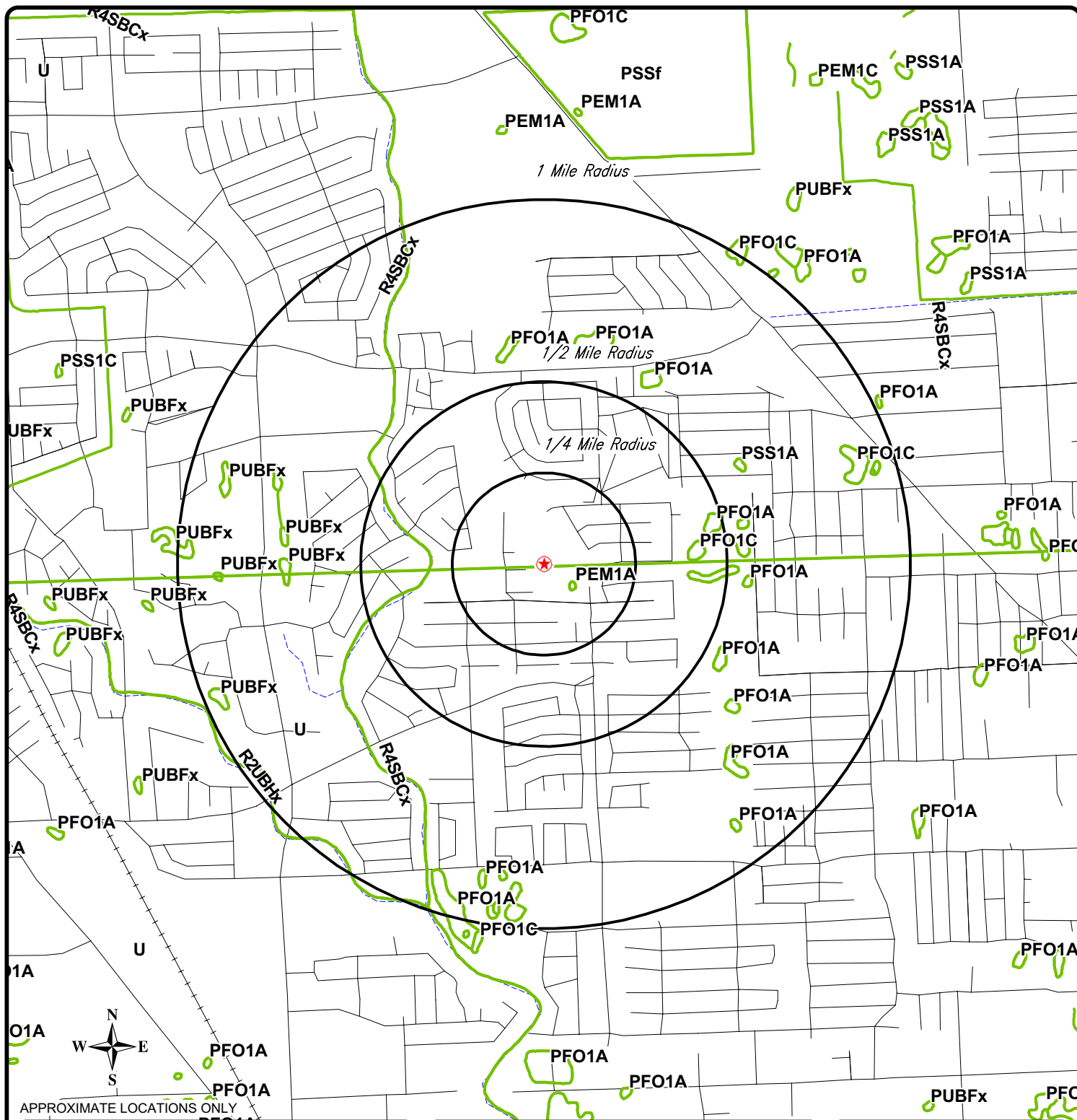
MAPID# 1

ID Number:	G1010013DK
State Id:	65-05-7
Owners Name:	HOUSTON CITY OF PUBLIC WORKS DE
Date Drilled:	07/17/1971
Depth Drilled:	1000
Static Level:	NOT REPORTED
Water Usage:	PLUGGED
Longitude:	-95.46110000
Latitude:	29.875830000
Source:	PWS

MAPID# 1

ID Number:	N/A
State Id:	65-05-726
Owners Name:	CITY OF HOUSTON LITTLE YORK
Date Drilled:	07/17/1971
Depth Drilled:	1000
Static Level:	380
Water Usage:	PUBLIC SUPPLY
Longitude:	-95.46138800
Latitude:	29.876112000
Source:	TWDB





APPROXIMATE LOCATIONS ONLY

★ TARGET PROPERTY (TP)

□ NWI

NWI MAP

Aldine NWI

Little York Water Plant
3900 Sardis Lane
Houston, TX
Project #: 60501081

0' 1000' 2000' 3000'

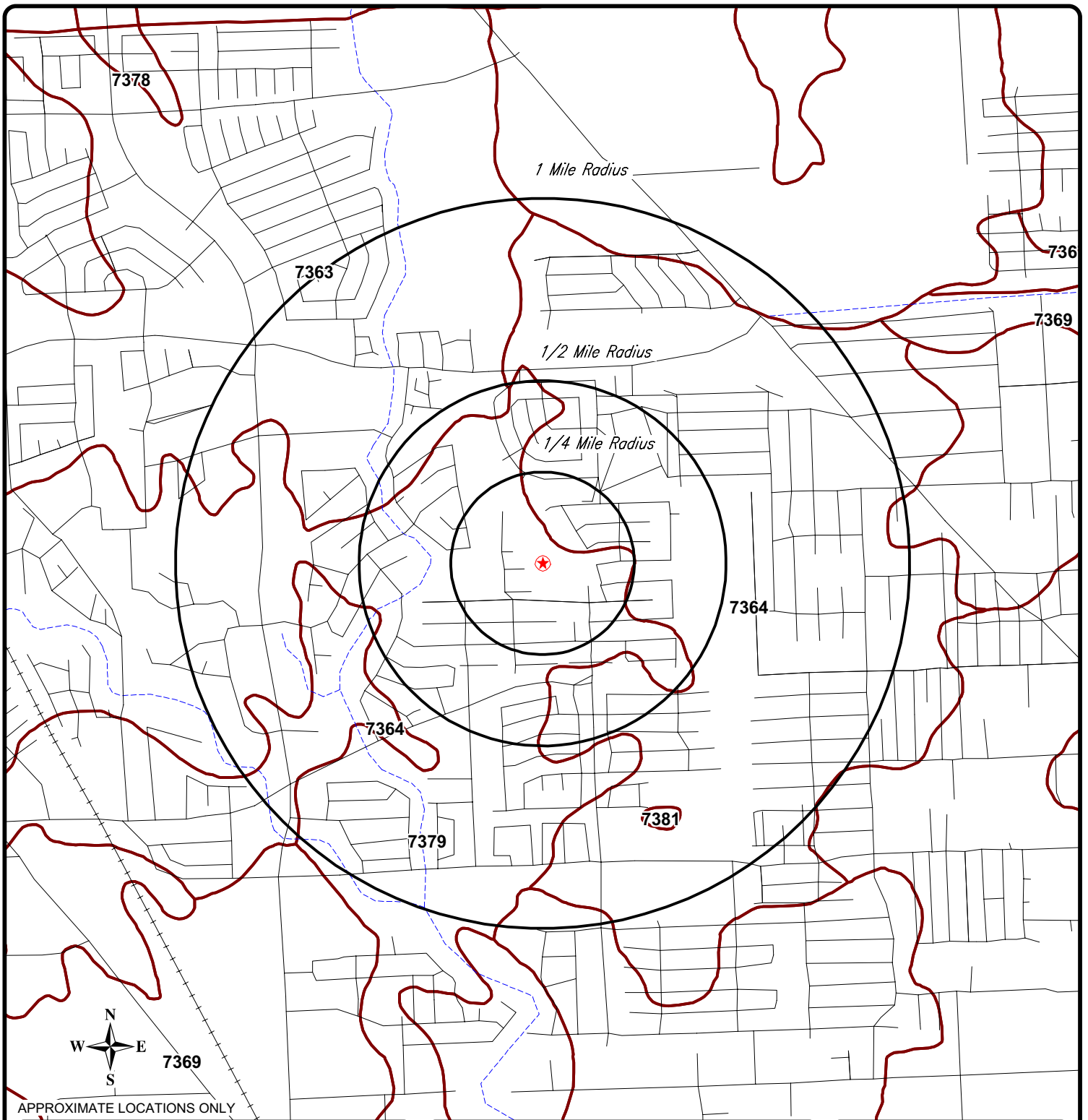
SCALE: 1" = 2000'



2705 Bee Caves Rd, Suite 330
Austin, Texas 78746
866-396-0042

NATIONAL WETLANDS INVENTORY

PEM1A	SYSTEM: PALUSTRINE CLASS: EMERGENT SUBCLASS: PERSISTENT WATER REGIME: TEMPORARILY FLOODED
PEM1C	SYSTEM: PALUSTRINE CLASS: EMERGENT SUBCLASS: PERSISTENT WATER REGIME: SEASONALLY FLOODED
PFO1A	SYSTEM: PALUSTRINE CLASS: FORESTED SUBCLASS: BROAD-LEAVED DECIDUOUS WATER REGIME: TEMPORARILY FLOODED
PFO1C	SYSTEM: PALUSTRINE CLASS: FORESTED SUBCLASS: BROAD-LEAVED DECIDUOUS WATER REGIME: SEASONALLY FLOODED
PSS1A	SYSTEM: PALUSTRINE CLASS: SCRUB-SHRUB SUBCLASS: BROAD-LEAVED DECIDUOUS WATER REGIME: TEMPORARILY FLOODED
PUBFx	SYSTEM: PALUSTRINE CLASS: UNCONSOLIDATED BOTTOM WATER REGIME: SEMIPERMANENTLY FLOODED SPECIAL MODIFIER: EXCAVATED
R2UBHx	SYSTEM: RIVERINE SUBSYSTEM: LOWER PERENNIAL CLASS: UNCONSOLIDATED BOTTOM WATER REGIME: PERMANENTLY FLOODED SPECIAL MODIFIER: EXCAVATED
R4SBCx	SYSTEM: RIVERINE SUBSYSTEM: INTERMITTENT CLASS: STREAMBED WATER REGIME: SEASONALLY FLOODED SPECIAL MODIFIER: EXCAVATED
U	SYSTEM: UNKNOWN



★ TARGET PROPERTY (TP)



SOIL BOUNDARY

SOIL SURVEY MAP

Little York Water Plant
3900 Sardis Lane
Houston, TX
Project #: 60501081

0' 1000' 2000' 3000'

SCALE: 1" = 2000'



2705 Bee Caves Rd, Suite 330
Austin, Texas 78746
866-396-0042

SOIL SURVEY DESCRIPTION

7363 ADDICKS LOAM

THE ADDICKS SERIES CONSISTS OF VERY DEEP, POORLY DRAINED, MODERATELY PERMEABLE UPLAND SOILS. TYPICALLY, THESE SOILS HAVE BLACK LOAM SURFACE LAYERS AND LOWER LAYERS OF GRAYISH, MODERATELY ALKALINE LOAM THAT CONTAIN MORE THAN 15 PERCENT CALCIUM CARBONATE EQUIVALENT IN SOME PART.

7364 ADDICKS-URBAN LAND COMPLEX

THE ADDICKS SERIES CONSISTS OF VERY DEEP, POORLY DRAINED, MODERATELY PERMEABLE UPLAND SOILS. TYPICALLY, THESE SOILS HAVE BLACK LOAM SURFACE LAYERS AND LOWER LAYERS OF GRAYISH, MODERATELY ALKALINE LOAM THAT CONTAIN MORE THAN 15 PERCENT CALCIUM CARBONATE EQUIVALENT IN SOME PART.

7369 ARIS-URBAN LAND COMPLEX

THE ARIS SERIES CONSISTS OF SOMEWHAT POORLY DRAINED, VERY SLOWLY PERMEABLE SOILS. THEY HAVE A DARK GRAYISH BROWN FINE SANDY FINE SANDY LOAM SURFACE AND A GRAY AND DARK GRAY CLAYEY SUBSOIL WITH PROMINENT RED MOTTLES.

7379 CLODINE-URBAN LAND COMPLEX

THE CLODINE SERIES CONSISTS OF VERY DEEP, POORLY DRAINED, MODERATELY PERMEABLE UPLAND SOILS. THESE NEARLY LEVEL SOILS ARE ON COASTAL PRAIRIES. THEY FORMED IN RESIDUUM OF PLEISTOCENE AGE. TYPICALLY THE SURFACE LAYER IS DARK GRAY LOAM TO 10 INCHES. THE SUBSOIL IS GRAY SLIGHTLY ACID TO MODERATELY ALKALINE CLAY LOAM.

7381 GESSNER LOAM

THE GESSNER SERIES CONSISTS OF DEEP, MODERATELY PERMEABLE SOILS THAT ARE ON COASTAL PRAIRIES. GRAYISH LOAM SUBSOIL. IT OCCUPIES NEARLY LEVEL TO DEPRESSIONAL AREAS.

7383 GESSNER-URBAN LAND COMPLEX

URBAN LAND CONSISTS OF LAND COVERED BY STREETS, PARKING LOTS, BUILDINGS, AND OTHER STRUCTURES OF URBAN AND BUILT UP AREAS.

GeoPLUS RECORD DEFINITIONS

WATER WELLS

The water well report consists of information collected from the Texas Water Development Board (TWDB), Select wells from Texas Commission on Environmental Quality (TCEQ), TCEQ Public Water Supply System (PWS), United States Geological Society (USGS), and the Harris Galveston Subsidence District (HGWW).

FEMA – Federal Emergency Management Agency

The information used in this report is derived from Q3 data from the Federal Emergency Management Agency (FEMA). This data is available in select counties throughout the United States.

NWI – National Wetlands Inventory

This data is obtained from the United States Fish and Wildlife Service. This data is available in select counties throughout the United States.

SOIL SURVEYS

The soil survey data is obtained from the Natural Resources Conservation Service of the United States Department of Agriculture. This data is available in select counties throughout the United States.





RADIUS REPORT WITH GEOPLUS

Property:

**Little York Water Plant
3900 Sardis Lane
Houston, TX
Project # 60501081**

Prepared For:

ECS - Houston

Job #: 55493 / Date: 05/04/06

APPENDIX D

RECORDS OF COMMUNICATION



5718 Westheimer, Suite 1575
Houston, Texas 77057
Tel: (713) 622-4800
Fax: (713) 622-4828
E-mail: info@ecsus.com

ENVIRONMENTAL CONSULTING SERVICES, INC.

May 3, 2006

Project No. 60501081
Via Fax: (713) 640-4388

Ms. Evelyn Phillips
City of Houston
Office of Environmental Health
7411 Park Place, Suite 109
Houston, Texas 77087

Re: *Little York Water Plant*
3900 Block of Sardis, Houston, Harris County, Texas

Dear Ms. Phillips:

Environmental Consulting Services, Inc. (ECS) is conducting a Phase I Environmental Site Assessment (ESA) for the above-listed property located south of W. Gulf Bank, in Houston, Harris County, Texas. The approximate location of the subject property is noted on the attached City of Houston Key Map (**Page 411, Section V**).

We are requesting any information available under the Freedom of Information Act that may help to determine if the present or past usage of the property has resulted in violations of any environmental regulations concerning your agency.

Please reference Project Number: 60501081 in your reply. ECS appreciates your assistance in this matter. If you have any questions, please do not hesitate to call me at (713) 622-4800. Our fax number is (713) 622-4828.

Sincerely,
Environmental Consulting Services, Inc.

Lina A. Jazi
President

CITY OF HOUSTON
P.M.E. SOUTH
RECEIVED

ECS

2006 MAY -3 AM 9:36

5718 Westheimer, Suite 1575
Houston, Texas 77057
Tel: (713) 622-4800
Fax: (713) 622-4828
E-mail: info@ecsus.com

ENVIRONMENTAL CONSULTING SERVICES, INC.

May 3, 2006

Project No. 60501081
Via Fax: (713) 640-4388

Ms. Evelyn Phillips
City of Houston
Office of Environmental Health
7411 Park Place, Suite 109
Houston, Texas 77087

Re: *Little York Water Plant*
3900 Block of Sardis, Houston, Harris County, Texas

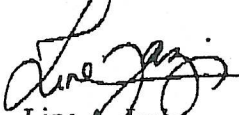
Dear Ms. Phillips:

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Please reference Project Number: 60501081 in your reply. ECS appreciates your assistance in this matter. If you have any questions, please do not hesitate to call me at (713) 622-4800. Our fax number is (713) 622-4828.

Sincerely,
Environmental Consulting Services, Inc.


Lina A. Jazi
President

FILES	NO
H. WASTE	NO
S. WASTE	
COMM. POOLS	
BAQC	NO
BOHRC	NO

#17



CITY OF HOUSTON

Department of Health and Human Services

Bill White

Mayor

Stephen L. Williams, M.Ed., M.P.A.
Director
Health and Human Services
Department

Dr. Pamela Berger
Bureau Chief, Public Health
Engineering
7411 Park Place Blvd., #109
Houston, Texas 77087

T.713.640.4399
F.713.640-4388
www.houstonhealth.org

May 9, 2006

Lina A. Jazi
ECS Environmental Consulting Services, Inc.
5718 Westheimer, Suite 1575
Houston, Texas 77057

Dear Ms. Jazi:

Information requested regarding property located at: **3900 Sardis** was not found in our files. A copy of your request is attached.

If you are in need of further assistance, please call me at 713-640-4399.

Sincerely,

A handwritten signature in cursive script that reads "E. Phillips".

E. Phillips
Environmental Health Division
Department of Health and Human Services

EP:pr

Enclosure



5718 Westheimer, Suite 1575
Houston, Texas 77057
Tel: (713) 622-4800
Fax: (713) 622-4828
E-mail: info@ecsus.com

ENVIRONMENTAL CONSULTING SERVICES, INC.

May 3, 2006

Project No. 60501081
Via Fax: (713) 928-6160

Senior Captain Troy Lilley
HAZMAT Response Team
Houston Fire Department
7411 Park Place, Suite 109
Houston, Texas 77087

Re: ***Little York Water Plant***
3900 Block of Sardis, Houston, Harris County, Texas

Dear Captain Lilley:

Environmental Consulting Services, Inc. (ECS) is conducting a Phase I Environmental Site Assessment (ESA) for the above-listed property located south of W. Gulf Bank, in Houston, Harris County, Texas. The approximate location of the subject property is noted on the attached City of Houston Key Map (**Page 411, Section V**).

We are requesting any information available under the Freedom of Information Act that may help to determine if the present or past usage of the property has resulted in violations of any environmental regulations concerning your agency.

Please reference Project Number: 60501081 in your reply. ECS appreciates your assistance in this matter. If you have any questions, please do not hesitate to call me at (713) 622-4800. Our fax number is (713) 622-4828.

Sincerely,
Environmental Consulting Services, Inc.

A handwritten signature in blue ink, appearing to read 'Lina Jazi', is written over the company name.

Lina A. Jazi
President

Houston Fire Department Search Request

The following are all incidents at the requested location to which the Hazardous Materials Response Team responded from January 1, 1996 through today's date; they are not necessarily the only spills that may have occurred during this time period. This report has been furnished by the Hazardous Materials Response Team. Contact person is Senior Captain Troy D. Lilley, phone number (713) 928-6711; FAX number (713) 928-6160.

NOTE: HMRT does not maintain records for locations outside of the City of Houston.

Requesting Company: ECS

Company Representative: A. JAZI

Fax number: 71362248285/4/2006 - 12:44:12

Search ID #004432: Key Map coordinate 411V

970804255 - 08/04/97 - 7363 Athlone - (Turn around) -

No incidents in Key Map coordinate 411V during 1998.

No incidents in Key Map coordinate 411V during 1999.

No incidents in Key Map coordinate 411V during 2000.

010427478 - 04/27/01 - 3611 Sardis - (Turn around) -

011022593 - 10/22/01 - 3518 Saratoga - (Turn around) -

020106273 - 01/06/02 - 7800 Sunnyhill - Natural Gas - Undetrmd Amt

021115404 - 11/15/02 - 3810 Cypress Grove - Natural Gas - Undetrmd Amt

No incidents in Key Map coordinate 411V during 2003.

No incidents in Key Map coordinate 411V during 2004.

No incidents in Key Map coordinate 411V during 2005.

No incidents in Key Map coordinate 411V during 2006.

End search: 12:44:57 (0 mins., 45 secs.)

5/4/2006 - 12:46:48

Search ID #004433: Key Map coordinate 455E

No incidents in Key Map coordinate 411V during 2005.

No incidents in Key Map coordinate 411V during 2006.

End search: 11:16:34 (0 mins., 38 secs.)

5/3/2006 - 11:17:05

Search ID #004396: Key Map coordinate 454W

970713173 - 07/13/97 - 3021 Brill - (Turn around) -

971107057 - 11/07/97 - 3501 Eastex Fwy - Diesel - 40 gal

No incidents in Key Map coordinate 454W during 1998.

990630368 - 06/30/99 - 3300 Eastex Fwy - Diesel - 100 gal

990703306 - 07/03/99 - 2900 Collingsworth - Diesel - 5 gal

990914187 - 09/14/99 - 3500 Eastex Fwy - Gasoline - 1000 gal

991004198 - 10/04/99 - 3300 Jensen Dr. - Diesel - 40 gal

001227246 - 12/27/00 - 3300 Eastex - Kerosene - 125 gal

010519381 - 05/19/01 - 3500 Eastex Fwy - (Turn around) -

010722404 - 07/22/01 - 2505 Collingsworth - (Turn around) -

010723190 - 07/23/01 - 3508 Cherry - Sodium Hydrosulfide solution - Undetrmd Amt

011014253 - 10/14/01 - 3300 Jensen - (Turn around) -

011220466 - 12/20/01 - 2700 Collingsworth - Sodium Hydrosulfide solution - Undetrmd Amt

021211280 - 12/11/02 - 2706 Collingsworth - Sodium Hydrosulfide solution - No Release

030522441 - 05/22/03 - 1918 Collingsworth - Linuron 50 DF Herbicide - No Release

030822028 - 08/22/03 - 3506 Cherry - Sodium Hydrosulfide solution - Undetrmd Amt

030911452 - 09/11/03 - 2700 Evella - Suspicious Substance - No Release

030922667 - 09/22/03 - 2828 Collingsworth - (Turn around) -

0311190393 - 11/19/03 - 4199 Eastex Fwy - Diesel - 30 gal

0401200630 - 01/20/04 - 3511 Eastex Fwy - (Turn around) -

0402270217 - 02/27/04 - 2605 Collingsworth - (Turn around) -

0406300333 - 06/30/04 - 3300 Collingsworth - (Turn around) -

0411080182 - 11/08/04 - 2819 BAY ST. - (Turn around) -

0502280390 - 02/28/05 - 3625 Eastex Frwy. - Diesel; Gasoline - No Release ; No Release

0506280576 - 06/28/05 - 3506 Cherry St. - Unknown - Undetrmd Amt

0510050575 - 10/05/05 - 3101 Cactus - (Turn around) -

0403300255 - 03/30/04 - 3526 Dennis - (Turn around) -
0405290144 - 05/29/04 - 3450 Anita - (Turn around) -
0406100373 - 06/10/04 - 3500 Bremond - (Turn around) -
0406120722 - 06/12/04 - 3737 Burkett - (Turn around) -
0407200204 - 07/20/04 - 3111 Gulf Fwy - Motor Oil - 1 gal
0410050340 - 10/05/04 - 3111 MCILHENNY - (Turn around) -
0412210500 - 12/21/04 - 3350 ROSALIE - (Turn around) -

0503260244 - 03/26/05 - 3000 Rosalie - Natural Gas - Undetrmd Amt
0505040232 - 05/04/05 - 3335 Anita St. - (Turn around) -
0506120274 - 06/12/05 - 3029 Beulah St. - Natural Gas - Undetrmd Amt
0506280018 - 06/28/05 - 3407 Holman - (Turn around) -
0507050685 - 07/05/05 - 3520 Beulah St. - (Turn around) -
0509140402 - 09/14/05 - 3217 Anita - (Turn around) -
0509220857 - 09/22/05 - 3430 Dennis St. - Natural Gas - Undetrmd Amt
0509230573 - 09/23/05 - 3314 Drew St. - Natural Gas - Undetrmd Amt
0511180565 - 11/18/05 - 3276 Holman - (Turn around) -
0512050182 - 12/05/05 - 1400 McGowen St. - (Turn around) -

0601310399 - 01/31/06 - 3100 Rosalie - (Turn around) -
0602220545 - 02/22/06 - 2200 Scott - Diesel - 6 gal

End search: 11:15:31 (1 mins., 14 secs.)

5/3/2006 - 11:15:56

Search ID #004395: Key Map coordinate 411V

970804255 - 08/04/97 - 7363 Athlone - (Turn around) -

No incidents in Key Map coordinate 411V during 1998.

No incidents in Key Map coordinate 411V during 1999.

No incidents in Key Map coordinate 411V during 2000.

010427478 - 04/27/01 - 3611 Sardis - (Turn around) -
011022593 - 10/22/01 - 3518 Saratoga - (Turn around) -

020106273 - 01/06/02 - 7800 Sunnyhill - Natural Gas - Undetrmd Amt
021115404 - 11/15/02 - 3810 Cypress Grove - Natural Gas - Undetrmd Amt

No incidents in Key Map coordinate 411V during 2003.

No incidents in Key Map coordinate 411V during 2004.



5718 Westheimer, Suite 1575
Houston, Texas 77057
Tel: (713) 622-4800
Fax: (713) 622-4828
E-mail: info@ecsus.com

ENVIRONMENTAL CONSULTING SERVICES, INC.

May 3, 2006

Project No. 60501081
Via Fax: (713) 477-8963

Ms. Sandee L. Wilson
Harris County Environmental Public Health
P.O. Box 6031
Houston, Texas 77506

Re: ***Little York Water Plant***
3900 Block of Sardis, Houston, Harris County, Texas

Dear Ms. Wilson:

Environmental Consulting Services, Inc. (ECS) is conducting a Phase I Environmental Site Assessment (ESA) for the above-listed property located south of W. Gulf Bank, in Houston, Harris County, Texas. The approximate location of the subject property is noted on the attached City of Houston Key Map (**Page 411, Section V**).

We are requesting any information available under the Freedom of Information Act that may help to determine if the present or past usage of the property has resulted in violations of any environmental regulations concerning your agency.

Please reference Project Number: 60501081 in your reply. ECS appreciates your assistance in this matter. If you have any questions, please do not hesitate to call me at (713) 622-4800. Our fax number is (713) 622-4828.

Sincerely,
Environmental Consulting Services, Inc.

A handwritten signature in blue ink, appearing to read 'Lina Jazi', is written over the typed name.

Lina A. Jazi
President

Harris County
HCPHES

Public Health & Environmental Services

Herminia Palacio, MD, MPH
Executive Director
2223 West Loop South
Houston, Texas 77027
Tele: (713) 439-6000
Fax: (713) 439-6080

Environmental Public Health Division

B. Z. (Bud) Karachiwala, M.S., M.B.A.
Division Director
Environmental Public Health
107 N. Munger
Pasadena, Texas 77506
Tele: (713) 920-2831
Fax: (713) 477-8963

Fax

Date:	May 8, 2006	Pages:	1 (including cover page)
To:	Lina A Jazi	From:	Sandee L. Wilson
Co.:	ECS Environmental	Title:	Public Records & SEP Assistant.
Fax:	713.622.4828	Fax:	713-477-8963
Phone:	713.622.4800	Phone:	713-740-8708
e-mail:	Not provided	e-mail:	sandee_wilson@hctx.net

Re: Little York Water Plant **Key Map:** 411 V
3900 block of Sardis, Houston

Ms. Jazi:

I have researched the Harris County Pollution Control Division files, which go back to the late 1970's.

I did not locate any investigation reports, letters of correspondence, or any other sort of documents pertaining to the above referenced site location.

If I can be of further assistance to you please let me know.

Sandee L. Wilson

APPENDIX E

DEFINITIONS & REFERENCES

DEFINITIONS

For purposes of conducting a Phase I Environmental Site Assessment Report, the following definitions relate to *hazardous substance*, *hazardous waste*, and *petroleum products* in this report:

Hazardous Substance--A substance defined as a hazardous substance pursuant to CERCLA 42 USC 9601(14), as interpreted by EPA regulations and the courts: “(A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (42 USC 6921) (but not including any waste the regulation of which under the Solid Waste Disposal Act (42 USC 6901 *et seq.*) has been suspended by Act of Congress, (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 USC 7412), and (F) an imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).”

Hazardous Waste--any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (42 USC 6921) (but not including any waste the regulation of which under the Solid Waste Disposal Act (42 USC 6901 *et seq.*) has been suspended by Act of Congress). The Solid Waste Disposal Act of 1980 amended RCRA. RCRA defines hazardous waste, in 42 USC 6903, as: “a solid waste, or combination of solid wastes, which because of its quantity, concentration or physical, chemical, or infectious characteristics may--(A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.

Petroleum Products--those substances included within the meaning of the *petroleum exclusion* to CERCLA, 42 USC 9601(14), as interpreted by the courts and EPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of 42 USC 9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). The word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to *Standard Definitions of Petroleum Statistics, American Petroleum Institute*.

REFERENCES

ECS does not warrant the data of regulatory agencies or other third parties supplying information used in the preparation of this report. Documents and commercial information services used in the preparation of this report, as listed below, are all current as most recently published.

DOCUMENTS

American Society for Testing and Materials (ASTM) Designation: E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

Texas Department of Water Resources, Report 236, Stratigraphic and Hydrogeologic Framework of Parts of the Coastal Plain of Texas, 1979.

U.S. Department of Agriculture, Soil Survey of Harris County, Texas, Soil Conservation Service, 1982.

FEMA Flood Insurance Rate Map No. 48201C0465K, date April 20, 2000.

Harris County Appraisal District, www.hcad.org.

GeoSearch: Aerial Photographs dated 1944, 1953, 1969, 1979, 1986, 1996, and 2004.

COMMERCIAL SERVICES

GeoSearch, Austin, Texas: Regulatory Review, Aerial Photographs, Sanborn Maps, and City Directories.

DeLorme, Inc.: U.S.G.S. 7.5-minute quadrangle maps; Aldine, Texas (1982).